

Wed Jul 21 12:16:36 2004

us-09-853-161-68.ol130.ra1

Page 1

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: July 19, 2004, 20:49:58 ; Search time 18 Seconds
(without alignments)
347.041 Million cell updates/sec

Title: US-09-853-161-68
Perfect score: 121
Sequence: 1 KRIMLFTAILAFSLAOSFG.....DVNCEVPSFGILKYPRAE 121

Scoring table: OLIGO
Gapop 60.0 , Gapext 60.0

Searched: 389414 seqs, 51625971 residues

Word size : 30

Total number of hits satisfying chosen parameters: 5

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Listing first 1000 summaries

Database : Issued Patents AA:*
1: /cgn2_6/prodata/2/1aa/5A_COMB.pep:*
2: /cgn2_6/prodata/2/1aa/5B_COMB.pep:*
3: /cgn2_6/prodata/2/1aa/6A_COMB.pep:*
4: /cgn2_6/prodata/2/1aa/6B_COMB.pep:*
5: /cgn2_6/prodata/2/1aa/PCTUS_COMB.pep:*
6: /cgn2_6/prodata/2/1aa/Backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	121	100.0	121	4	US-09-152-060-68
2	101	83.5	122	2	US-08-879-995A-1
3	101	83.5	122	3	US-09-215-096-1
4	66	54.5	121	4	US-09-152-060-85
5	36	29.8	36	4	US-09-152-060-108

ALIGNMENTS

RESULT 1
US-09-152-060-68
Sequence 68, Application US/09152060
Patent No. 6448230
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 28 Human Secreted Proteins
FILE REFERENCE: P2003P1.US
CURRENT APPLICATION NUMBER: US/09/152.060
CURRENT FILING DATE: 1998-09-11
EARLIER APPLICATION NUMBER: PCT/US98/04858
EARLIER FILING DATE: 1998-03-12
EARLIER APPLICATION NUMBER: 60/040.762
EARLIER FILING DATE: 1997-03-14
EARLIER APPLICATION NUMBER: 60/040.710
EARLIER FILING DATE: 1997-03-14
EARLIER APPLICATION NUMBER: 60/050.934

EARLIER FILING DATE: 1997-05-30
EARLIER APPLICATION NUMBER: 60/048.100
EARLIER FILING DATE: 1997-05-30
EARLIER APPLICATION NUMBER: 60/048.357
EARLIER FILING DATE: 1997-05-30
EARLIER APPLICATION NUMBER: 60/048.189
EARLIER FILING DATE: 1997-05-30
EARLIER APPLICATION NUMBER: 60/057.765
EARLIER FILING DATE: 1997-09-05
EARLIER APPLICATION NUMBER: 60/048.970
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/068.368
EARLIER FILING DATE: 1997-12-19
NUMBER OF SEQ ID NOS: 118
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 68
LENGTH: 121
TYPE: PRT
ORGANISM: Homo sapiens
US-09-152-060-68

Query Match 100.0%; Score 121; DB 4; Length 121;
Best Local Similarity 100.0%; Pred. No. 1.3e-11;
Matches 121; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	KRIMLFTAILAFSLAOSFGAVCKEPOEYVPPGSGRSKRPDPDYQLQLFKSHSIEGL	60
DB	1	KRIMLFTAILAFSLAOSFGAVCKEPOEYVPPGSGRSKRPDPDYQLQLFKSHSIEGL	60
QY	61	LKALSOASTDPKSTSEKRDMDHDFVGLMGKRSVQPSPTDVQENVPSFGILKYPRA	120
DB	61	LKALSOASTDPKSTSEKRDMDHDFVGLMGKRSVQPSPTDVQENVPSFGILKYPRA	120
QY	121	E 121	
DB	121	E 121	

RESULT 2
US-08-879-995A-1
Sequence 1, Application US/08879995A
Patent No. 5985606
GENERAL INFORMATION:
APPLICANT: Hillman, Jennifer L.
APPLICANT: Kaser, Matthew R.
TITLE OF INVENTION: HUMAN PREPROTACHYKININ B
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: PastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/879.995A
FILING DATE: Herewith
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0326 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555

TELEFAX: 415-845-4166
TELEX:
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: BRAITTT03
CLONE: 2109906
US-08-879-995A-1

Query Match 83.5%; Score 101; DB 2; Length 122;
Best Local Similarity 100.0%; Pred. No. 6.5e-92;
Matches 101; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTALIAFSLAOSFGAVCKEPOEEVVPGGGRSKRDPDLYQLQLRFLKSHSSLEGL 60
DB 1 MRIMLFTALIAFSLAOSFGAVCKEPOEEVVPGGGRSKRDPDLYQLQLRFLKSHSSLEGL 60
QY 61 LKALSQASTDPKESTSPKRDMDHDFVGLMGKRSVQPSPT 101
DB 61 LKALSQASTDPKESTSPKRDMDHDFVGLMGKRSVQPSPT 101

RESULT 3
US-09-215-096-1
Sequence 1, Application US/09215096
Patent No. 6008194
GENERAL INFORMATION:
APPLICANT: Hillman, Jennifer L.
APPLICANT: Lal, Preeti
APPLICANT: Kaser, Matthew R.
TITLE OF INVENTION: HUMAN PREPROTACHYKININ B
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/215,096
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/879,995
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0326 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
TELEX:
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: BRAITTT03
CLONE: 2109906
US-09-215-096-1

Query Match 83.5%; Score 101; DB 3; Length 122;
Best Local Similarity 100.0%; Pred. No. 6.5e-92;
Matches 101; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MRIMLFTALIAFSLAOSFGAVCKEPOEEVVPGGGRSKRDPDLYQLQLRFLKSHSSLEGL 60
DB 1 MRIMLFTALIAFSLAOSFGAVCKEPOEEVVPGGGRSKRDPDLYQLQLRFLKSHSSLEGL 60
QY 61 LKALSQASTDPKESTSPKRDMDHDFVGLMGKRSVQPSPT 101
DB 61 LKALSQASTDPKESTSPKRDMDHDFVGLMGKRSVQPSPT 101

RESULT 4
US-09-152-060-85
Sequence 85, Application US/09152060
Patent No. 6448230
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 28 Human Secreted Proteins
FILE REFERENCE: P2003pl.US
CURRENT APPLICATION NUMBER: US/09/152,060
EARLIER FILING DATE: 1998-09-11
EARLIER APPLICATION NUMBER: PCT/US98/04858
EARLIER FILING DATE: 1998-03-12
EARLIER APPLICATION NUMBER: 60/040,762
EARLIER FILING DATE: 1997-03-14
EARLIER APPLICATION NUMBER: 60/040,710
EARLIER FILING DATE: 1997-03-14
EARLIER APPLICATION NUMBER: 60/050,934
EARLIER FILING DATE: 1997-05-30
EARLIER APPLICATION NUMBER: 60/048,100
EARLIER FILING DATE: 1997-05-30
EARLIER APPLICATION NUMBER: 60/048,357
EARLIER FILING DATE: 1997-05-30
EARLIER APPLICATION NUMBER: 60/048,189
EARLIER FILING DATE: 1997-05-30
EARLIER APPLICATION NUMBER: 60/057,765
EARLIER FILING DATE: 1997-09-05
EARLIER APPLICATION NUMBER: 60/048,970
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/068,368
EARLIER FILING DATE: 1997-12-19
NUMBER OF SEQ ID NOS: 118
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 85
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE
LOCATION: (67)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
FEATURE:
NAME/KEY: SITE
LOCATION: (89)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-152-060-85

Query Match 54.5%; Score 66; DB 4; Length 121;
Best Local Similarity 100.0%; Pred. No. 1.8e-57;
Matches 66; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTALIAFSLAOSFGAVCKEPOEEVVPGGGRSKRDPDLYQLQLRFLKSHSSLEGL 60
DB 1 MRIMLFTALIAFSLAOSFGAVCKEPOEEVVPGGGRSKRDPDLYQLQLRFLKSHSSLEGL 60
QY 61 LKALSQ 66
DB 61 LKALSQ 66

```
RESULT 5
US-09-152-060-108
; Sequence 108, Application US/09152060
; Patent No. 6448230
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 28 Human Secreted Proteins
; FILE REFERENCE: P2003P1.US
; CURRENT FILING DATE: 1998-09-11
; EARLIER APPLICATION NUMBER: PCT/US98/04858
; EARLIER FILING DATE: 1998-03-12
; EARLIER APPLICATION NUMBER: 60/040,762
; EARLIER FILING DATE: 1997-03-14
; EARLIER APPLICATION NUMBER: 60/040,710
; EARLIER FILING DATE: 1997-03-14
; EARLIER APPLICATION NUMBER: 60/050,934
; EARLIER FILING DATE: 1997-05-30
; EARLIER APPLICATION NUMBER: 60/048,100
; EARLIER FILING DATE: 1997-05-30
; EARLIER APPLICATION NUMBER: 60/048,357
; EARLIER FILING DATE: 1997-05-30
; EARLIER APPLICATION NUMBER: 60/048,189
; EARLIER FILING DATE: 1997-05-30
; EARLIER APPLICATION NUMBER: 60/057,765
; EARLIER FILING DATE: 1997-09-05
; EARLIER APPLICATION NUMBER: 60/048,970
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/068,368
; EARLIER FILING DATE: 1997-12-19
; NUMBER OF SEQ ID NOS: 118
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 108
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-152-060-108

Query Match      29.8%; Score 36; DB 4; Length 36;
Best Local Similarity 100.0%; Pred. No. 2e-28;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      77 PEKRDMDHDFVGLMGKRSYQPDSPPTDVNQENVPSPFG 112
      |||||
      1 PEKRDMDHDFVGLMGKRSYQPDSPPTDVNQENVPSPFG 36

Search completed: July 19, 2004, 20:53:08
Job time : 18 secs
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OM protein - protein search, using sw model

Run on: July 19, 2004, 20:48:32 ; Search time 40 Seconds
(without alignments)
954.443 Million cell updates/sec

Title: US-09-853-161-68
Perfect score: 121
Sequence: 1 MRIMLFTAILAFSLAQSFQ.....DVNQENVPSPGIIKYPRAE 121

Scoring table: OLIGO
Gapop 60.0 , Gapext 60.0

Searched: 1017041 seqs, 315518202 residues

Word size : 30

Total number of hits satisfying chosen parameters: 1

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Listing first 1000 summaries

Database :

SPTREMBL.25.*
1: sp_archaea:*
2: sp_bacteria:*
3: sp_fungi:*
4: sp_human:*
5: sp_invertebrate:*
6: sp_mammal:*
7: sp_mhc:*
8: sp_organelle:*
9: sp_phage:*
10: sp_plant:*
11: sp_rodent:*
12: sp_virus:*
13: sp_vertebrate:*
14: sp_unclassified:*
15: sp_virus:*
16: sp_bacteriap:*
17: sp_archaeap:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	66	54.5	108	Q7Z4W6	Q7Z4W6 homo sapien

ALIGNMENTS

RESULT 1
Q7Z4W6
ID Q7Z4W6 PRELIMINARY; PRT; 108 AA.
AC Q7Z4W6
DT 01-OCT-2003 (TrEMBLrel. 25, Created)
DT 01-OCT-2003 (TrEMBLrel. 25, Last sequence update)
DT 01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
DE Preprothachykinin B
OS Homo sapiens (human)
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

OC Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RA Guan C.B., Yu L., Zhao S.Y.;
RT "Cloning of a new human cDNA homologous to mouse preprothachykinin B.";
RL Submitted (MAR-1999) to the EMBL/GenBank/DBJ databases.
DR EMBL; AF16174; AAP97264.1; -
SQ SEQUENCE 108 AA; 12089 MW; 5A42655410F54F0E CRC64;

Query Match 54.5%; Score 66; DB 4; Length 108;
Best Local Similarity 100.0%; Pred. No. 1.2e-62;
Matches 66; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	DB	QY	DB
1	1	61	61
MRIMLFTAILAFSLAQSFQAVCKEPOEYVVGSGRSKRPDLYQLQLRFLKSHSLEGL 60	MRIMLFTAILAFSLAQSFQAVCKEPOEYVVGSGRSKRPDLYQLQLRFLKSHSLEGL 60	LKALSQ 66	LKALSQ 66

Search completed: July 19, 2004, 20:52:11
Job time : 40 secs

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OM protein - protein search, using sw model

Run on: July 19, 2004, 20:48:02 ; Search time 13 Seconds

(without alignments)
484.653 Million cell updates/sec

Title: US-09-853-161-68

Perfect score: 121

Sequence: 1 KRIMLFTRHIAFLAQLAQSGF.....DVNGENWPSFGILKIPRAE 121

Scoring table: OLIGO
Gapop 60.0 , Gapext 60.0

Searched: 141681 seqs, 52070155 residues

Word size : 30

Total number of hits satisfying chosen parameters: 1

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: listing first 1000 summaries

Database : SwissProt_42.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	121	100.0	121	1	TKNK_HUMAN Q9uhfo homo sapien

ALIGNMENTS

```

RESULT 1
TKNK_HUMAN STANDARD; PRT; 121 AA.
AC Q9uhfo;
DT 16-OCT-2001 (Rel. 40, Created)
DT 16-OCT-2001 (Rel. 40, Last sequence update)
DT 10-OCT-2003 (Rel. 42, Last annotation update)
DE Neurokinin B precursor (NXB) (Neuromedin K) (ZNFUROK1).
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.
OX NCBI_Taxid=9606;
RN [1]
RP SEQUENCE FROM N.A.
RA Sheppard P., Jelinek L., Whitmore T., Blumberg H., Lehner J.,
RA O'Hara P.,
RL Submitted (SEP-1999) to the EMBL/GenBank/DDBJ databases.
RN [2]
RP SEQUENCE FROM N.A.
RC TISSUE=Placenta;
RX MEDLINE=20322570; PubMed=10866201;
RA Page N.M., Woods R.J., Gardiner S.M., Lomthiasong K., Gladwell R.T.,
RA Butlin D.J., Manyonda I.T., Lowry P.J.,
RT "Excessive placental neurokinin B secretion during the third trimester
RT causes pre-eclampsia."
RL Nature 405:797-800 (2000).

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RN [3]
RP SEQUENCE FROM N.A.
RC TISSUE=Brain;
RX MEDLINE=22388257; PubMed=12477932;
RA Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA Hopkins R.F., Jordan H., Moore T., Wax S.I., Wang J., Hsieh F.,
RA Datchenko L., Marisina K., Farmer A.A., Rubin G.M., Hong L.,
RA Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA Rana S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullaby S.J.,
RA Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunterline P.H.,
RA Richards S., Wortley K.C., Hale S., Garcia A.M., Gay L.J., Huily S.W.,
RA Villalón D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA Fahey J., Helton E., Kettelman M., Madan A., Rodriguez S., Sanchez A.,
RA Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,
RA Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smalins D.E.,
RA Scherch A., Schein J.B., Jones S.J.M., Marra M.A.,
RT "Generation and initial analysis of more than 15,000 full-length
RT human and mouse cDNA sequences."
Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903 (2002).
CC -!- FUNCTION: Tachykinins are active peptides which excite neurons,
CC evoke behavioral responses, are potent vasodilators and
CC secretagogues, and contract (directly or indirectly) many smooth
CC muscles (by similarity).
CC -!- SUBCELLULAR LOCATION: Secreted.
CC -!- DEVELOPMENTAL STAGE: In pregnancy, the expression of NKB is
CC confined to the outer syncytiotrophoblast of the placenta,
CC significant concentrations of NKB can be detected in plasma as
CC early as week 9, and plasma concentrations of NKB are grossly
CC elevated in pregnancy-induced hypertension and pre-eclampsia.
CC -!- SIMILARITY: Belongs to the tachykinin family.
CC -----
CC This SWISS-PROT entry is copyright. It is produced through a collaboration
CC between the Swiss Institute of Bioinformatics and the EMBL outstation -
CC the European Bioinformatics Institute. There are no restrictions on its
CC use by non-profit institutions as long as its content is in no way
CC modified and this statement is not removed. Usage by and for commercial
CC entities requires a license agreement (See http://www.isb-sib.ch/announce/
CC or send an email to license@sib-sib.ch).
CC -----
DR EMBL; AF186112; AAF01430.1; -.
DR EMBL; AF216586; AAF76980.1; -.
DR EMBL; BC032145; AAH32145.1; -.
DR Genew; HGNC:11521; TAC3.
DR MIM; 162330; -.
DR GO; GO:0005615; C:extracellular space; TAS.
DR GO; GO:0005625; C:soluble fraction; TAS.
DR GO; GO:0008648; F:tachykinin; TAS.
DR GO; GO:0007565; P:pregnancy; TAS.
DR GO; GO:0007217; P:tachykinin signaling pathway; TAS.
DR InterPro; IPR003635; Neurokinin.
DR InterPro; IPR02040; Tachy_Neurokinin.
DR Pfam; PF03823; Neurokinin_B; 1.
DR ProDom; PD020370; Neurokinin; 1.
DR PROSITE; PS00267; TACHYKININ; 1.
DR Tachykinin; Neuropeptide; Cleavage on pair of basic residues;
KW Amidation; signal.
FT SIGNAL 1 16
FT PROPEP 17 78
FT PEPTIDE 81 90
FT PROPEP 94 121
FT MOD_RES 90 90
SQ SEQUENCE 121 AA; 13438 MW; 14CAFE2EBEDSCA CRC64;
Query Match 100.0%; Score 121; DB 1; Length 121;
Best Local Similarity 100.0%; Pred. No. 8-2e-117;
Matches 121; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```


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OM protein - protein search, using sw model

Run on: July 19, 2004, 20:49:03 ; Search time 16 Seconds

(without alignments)
727.448 Million cell updates/sec

Title: US-09-853-161-68

Perfect score: 121

Sequence: 1 MRIMLLFTALFLAFLAQSG.....DYNQENVPSFGILKYPRAE 121

Scoring table: OLIGO

Gapop 60.0 , Gapext 60.0

Searched: 1 283366 seqs, 96191526 residues

Word size : 30

Total number of hits satisfying chosen parameters: 0

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Listing first 1000 summaries

Database :

PIR_78:*
1: p1r1:*
2: p1r2:*
3: p1r3:*
4: p1r4:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
---------------	-------	----------------	--------	----	-------------

No matches found

Search completed: July 19, 2004, 20:52:38
Job time : 16 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: July 19, 2004, 20:47:12 ; Search time 54 Seconds
(without alignments)
633.116 Million cell updates/sec

Title: US-09-853-161-68

Perfect score: 121

Sequence: 1 MRMLFTALALFSLAQSGF.....DVGQENVPSFGILKKPPRAE 121

Scoring table: OLIGO
Gapop 60.0 , Gapext 60.0

Searched: 1586107 seqs, 282547505 residues

Word size : 30

Total number of hits satisfying chosen parameters: 571

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Listing first 1000 summaries

Database : A_Geneseq_29Jan04:*

1: geneseqp1980s:*\n2: geneseqp1980s:*\n3: geneseqp2000s:*\n4: geneseqp2001s:*\n5: geneseqp2002s:*\n6: geneseqp2003as:*\n7: geneseqp2003bs:*\n8: geneseqp2004s:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	121	100.0	121	2	AAW75212 Human sec
2	121	100.0	121	2	AAW97213 A human z
3	121	100.0	121	2	AAW74413 HPMBQ91 p
4	121	100.0	121	4	AAE82380 Human neu
5	121	100.0	121	5	AAE26975 Human gen
6	121	100.0	121	5	AAE27113 Human gen
7	121	100.0	121	6	ABU64986 Human sec
8	121	100.0	137	4	ABD11878 Human neu
9	101	83.5	122	2	AAW96144 Human pre
10	97	80.2	135	3	AAW66739 Membrane-
11	97	80.2	135	3	AAE33445 Human PRO
12	97	80.2	135	4	AAU29245 Human PRO
13	97	80.2	135	4	AAE65262 Human PRO
14	97	80.2	135	5	AAU83645 Human PRO
15	97	80.2	135	5	ABE84901 Human PRO
16	97	80.2	135	5	ABE95507 Human ang
17	97	80.2	135	6	ABU58621 Human PRO
18	97	80.2	135	6	ABU88169 Novel hum
19	97	80.2	135	6	ABU84484 Human sec
20	97	80.2	135	6	ABR66358 Human sec
21	97	80.2	135	6	ABR65748 Human sec
22	97	80.2	135	6	ABU99668 Human sec
23	97	80.2	135	6	ABU58077 Human PRO
24	97	80.2	135	6	ABU59155 Novel hum
25	97	80.2	135	6	ABU82667 Human sec

26	97	80.2	135	6	ABU82927 Human PRO
27	97	80.2	135	6	ABU90048 Novel hum
28	97	80.2	135	6	ABR68297 Human sec
29	97	80.2	135	6	ABU60586 Human sec
30	97	80.2	135	6	ABU96350 Novel hum
31	97	80.2	135	6	ABU92781 Human sec
32	97	80.2	135	6	ABU80792 Human PRO
33	97	80.2	135	6	ABO08858 Human sec
34	97	80.2	135	6	ABO02910 Human sec
35	97	80.2	135	6	ABR75064 Human sec
36	97	80.2	135	6	ABR94826 Human sec
37	97	80.2	135	6	ABO33758 Novel hum
38	97	80.2	135	6	ABU13968 Human PRO
39	97	80.2	135	6	ABU85799 Human PRO
40	97	80.2	135	6	ABU98959 Novel hum
41	97	80.2	135	6	ABU98174 Novel hum
42	97	80.2	135	6	ABU91880 Novel hum
43	97	80.2	135	6	ABU89573 Human PRO
44	97	80.2	135	6	ABU66414 Human sec
45	97	80.2	135	6	ABU67627 Human sec
46	97	80.2	135	6	ABU90655 Human PRO
47	97	80.2	135	6	ABU72553 Novel hum
48	97	80.2	135	6	ABR99573 Human sec
49	97	80.2	135	6	ABR89963 Human sec
50	97	80.2	135	6	ABO16486 Human sec
51	97	80.2	135	6	ABR92386 Human sec
52	97	80.2	135	6	ABO19027 Human sec
53	97	80.2	135	6	ABR78448 Human sec
54	97	80.2	135	6	ABU85184 Novel hum
55	97	80.2	135	6	ABO00323 Novel hum
56	97	80.2	135	6	ABO11655 Human sec
57	97	80.2	135	6	ABO02300 Human sec
58	97	80.2	135	6	ABU88874 Novel hum
59	97	80.2	135	6	ABU83569 Human sec
60	97	80.2	135	6	ABO06370 Novel hum
61	97	80.2	135	6	ABR59406 Human sec
62	97	80.2	135	6	ABO09468 Human sec
63	97	80.2	135	6	ABO19332 Novel hum
64	97	80.2	135	6	ABO11350 Human sec
65	97	80.2	135	6	ABR66968 Human sec
66	97	80.2	135	6	ABO16181 Human sec
67	97	80.2	135	6	ABO13887 Human sec
68	97	80.2	135	6	ABU65790 Human sec
69	97	80.2	135	6	ABO07638 Human PRO
70	97	80.2	135	6	ABO03825 Human sec
71	97	80.2	135	6	ABR67273 Human sec
72	97	80.2	135	6	ABO15876 Human sec
73	97	80.2	135	6	ABU66157 Human sec
74	97	80.2	135	6	ABU65485 Human PRO
75	97	80.2	135	6	ABU95430 Novel hum
76	97	80.2	135	6	ABU71333 Human PRO
77	97	80.2	135	6	ABO07943 Human PRO
78	97	80.2	135	6	ABR70184 Human sec
79	97	80.2	135	6	ABR69517 Human sec
80	97	80.2	135	6	ABO01658 Human PRO
81	97	80.2	135	6	ABU81460 Human PRO
82	97	80.2	135	6	ABR60257 Human sec
83	97	80.2	135	6	ABR67992 Human sec
84	97	80.2	135	6	ABR65380 Human sec
85	97	80.2	135	6	ABR68602 Human sec
86	97	80.2	135	6	ABR72014 Human sec
87	97	80.2	135	6	ABU59302 Human sec
88	97	80.2	135	6	ABU55494 Human PRO
89	97	80.2	135	6	ABU89184 Human sec
90	97	80.2	135	6	ABU83264 Human sec
91	97	80.2	135	6	ABU95120 Novel hum
92	97	80.2	135	6	ABU90668 Novel hum
93	97	80.2	135	6	ABU84179 Human sec
94	97	80.2	135	6	ABU93830 Novel hum
95	97	80.2	135	6	ABO25999 Human PRO
96	97	80.2	135	6	ABR65075 Human sec
97	97	80.2	135	6	ABR68907 Human sec
98	97	80.2	135	6	ABO06723 Human sec

99	97	80.2	135	6	ABR99268	Abt99268	Human	sec	172	97	80.2	135	6	ABM17385	Abm17385	Human	sec
100	97	80.2	135	6	ABU57152	Abu57152	Human	PRO	173	97	80.2	135	6	ABR95131	Abt95131	Human	sec
101	97	80.2	135	6	ABU86104	Abu86104	Novel	hum	174	97	80.2	135	6	ABR95436	Abt95436	Human	sec
102	97	80.2	135	6	ABU82391	Abu82391	Novel	hum	175	97	80.2	135	6	ABJ72281	Abj72281	Human	PRO
103	97	80.2	135	6	ABU87402	Abu87402	Human	PRO	176	97	80.2	135	6	ABO21674	AbO21674	Human	sec
104	97	80.2	135	6	ABU83874	Abu83874	Human	sec	177	97	80.2	135	6	ABR97938	Abt97938	Human	sec
105	97	80.2	135	6	ABO08248	AbO08248	Human	PRO	178	97	80.2	135	6	ABR87726	Abt87726	Human	sec
106	97	80.2	135	6	ABU81959	Abu81959	Novel	hum	179	97	80.2	135	6	ABM77767	Abm77767	Human	sec
107	97	80.2	135	6	ABU61123	Abu61123	Novel	hum	180	97	80.2	135	6	ABM27997	Abm27997	Human	sec
108	97	80.2	135	6	ABR59952	Abt59952	Human	sec	181	97	80.2	135	6	ABM06278	Abm06278	Human	sec
109	97	80.2	135	6	ABU94140	Abu94140	Novel	hum	182	97	80.2	135	6	ABM35235	Abm35235	Human	sec
110	97	80.2	135	6	ABO00013	AbO00013	Novel	hum	183	97	80.2	135	6	ABM26472	Abm26472	Human	sec
111	97	80.2	135	6	ABU92101	Abu92101	Novel	hum	184	97	80.2	135	6	ABO48254	AbO48254	Human	sec
112	97	80.2	135	6	ABR6663	Abt6663	Human	sec	185	97	80.2	135	6	ABR92996	Abt92996	Human	sec
113	97	80.2	135	6	ABR91081	Abt91081	Human	sec	186	97	80.2	135	6	ABO24757	AbO24757	Human	sec
114	97	80.2	135	6	ABU59008	Abu59008	Human	sec	187	97	80.2	135	6	ADA37870	Ada37870	Human	sec
115	97	80.2	135	6	ABU94508	Abu94508	Human	PRO	188	97	80.2	135	6	ABM11768	Abm11768	Human	sec
116	97	80.2	135	6	ABU79330	Abu79330	Human	PRO	189	97	80.2	135	6	ABM02869	Abm02869	Human	sec
117	97	80.2	135	6	ABU86719	Abu86719	Human	sec	190	97	80.2	135	6	ABM16165	Abm16165	Human	sec
118	97	80.2	135	6	ABU87024	Abu87024	Novel	hum	191	97	80.2	135	6	ABO27726	AbO27726	Human	sec
119	97	80.2	135	6	ABU94813	Abu94813	Human	PRO	192	97	80.2	135	6	ABM28217	Abm28217	Human	sec
120	97	80.2	135	6	ABO04740	AbO04740	Human	PRO	193	97	80.2	135	6	ABM07193	Abm07193	Human	sec
121	97	80.2	135	6	ABR70489	Abt70489	Human	sec	194	97	80.2	135	6	ABM21287	Abm21287	Human	sec
122	97	80.2	135	6	ABU92386	Abu92386	Novel	hum	195	97	80.2	135	6	ABM09633	AbO41503	Human	sec
123	97	80.2	135	6	ABU98654	Abu98654	Human	PRO	196	97	80.2	135	6	ABO41503	AbO41503	Human	PRO
124	97	80.2	135	6	ABR66053	Abt66053	Human	sec	197	97	80.2	135	6	ABO36318	AbO36318	Human	PRO
125	97	80.2	135	6	ABR54770	Abt54770	Human	sec	198	97	80.2	135	6	ABO43847	AbO43847	Human	PRO
126	97	80.2	135	6	ABU59451	Abu59451	Novel	hum	199	97	80.2	135	6	ABM76547	Abm76547	Human	sec
127	97	80.2	135	6	ABU79695	Abu79695	Human	PRO	200	97	80.2	135	6	ABM76243	Abm76243	Human	sec
128	97	80.2	135	6	ABU53086	Abu53086	Human	sec	201	97	80.2	135	6	ABM25862	Abm25862	Human	sec
129	97	80.2	135	6	ABU96045	Abu96045	Human	PRO	202	97	80.2	135	6	ABM26167	Abm26167	Human	sec
130	97	80.2	135	6	ABU91265	Abu91265	Novel	hum	203	97	80.2	135	6	ADA21556	Ada21556	Human	sec
131	97	80.2	135	6	ABU90358	Abu90358	Novel	hum	204	97	80.2	135	6	ABO03520	AbO03520	Human	sec
132	97	80.2	135	6	ABO09773	AbO09773	Human	sec	205	97	80.2	135	6	ABO02605	AbO02605	Human	sec
133	97	80.2	135	6	ABO11045	AbO11045	Human	sec	206	97	80.2	135	6	ABR90776	Abt90776	Human	sec
134	97	80.2	135	6	ABR71059	Abt71059	Human	sec	207	97	80.2	135	6	ABR73844	Abt73844	Human	sec
135	97	80.2	135	6	ABU87707	Abu87707	Human	PRO	208	97	80.2	135	6	ABR17096	AbO17096	Human	sec
136	97	80.2	135	6	ABU91575	Abu91575	Human	PRO	209	97	80.2	135	6	ABR94521	Abt94521	Human	sec
137	97	80.2	135	6	ABU84789	Abu84789	Human	sec	210	97	80.2	135	6	ABR76028	Abt76028	Human	sec
138	97	80.2	135	6	ABR69879	Abt69879	Human	sec	211	97	80.2	135	6	ABR71404	Abt71404	Human	sec
139	97	80.2	135	6	ABR80256	Abu80256	Human	PRO	212	97	80.2	135	6	ABR93301	Abt93301	Human	sec
140	97	80.2	135	6	ABU92217	Abu92217	Novel	hum	213	97	80.2	135	6	ABR93606	Abt93606	Human	sec
141	97	80.2	135	6	ABU93525	Abu93525	Human	PRO	214	97	80.2	135	6	ADA10343	Ada10343	Human	sec
142	97	80.2	135	6	ABO10078	AbO10078	Human	sec	215	97	80.2	135	6	ABR88031	Abt88031	Human	sec
143	97	80.2	135	6	ABO09163	AbO09163	Human	sec	216	97	80.2	135	6	ABO28031	AbO28031	Human	sec
144	97	80.2	135	6	ABU10923	Abu10923	Human	PRO	217	97	80.2	135	6	ABO30166	AbO30166	Human	sec
145	97	80.2	135	6	ABU10731	Abu10731	Human	sec	218	97	80.2	135	6	ABO33375	AbO33375	Human	PRO
146	97	80.2	135	6	ABU81675	Abu81675	Novel	hum	219	97	80.2	135	6	ABM05063	Abm05063	Human	sec
147	97	80.2	135	6	ABU95740	Abu95740	Human	PRO	220	97	80.2	135	6	ABO36623	AbO36623	Human	sec
148	97	80.2	135	6	ABU96949	Abu96949	Novel	hum	221	97	80.2	135	6	ABO35708	AbO35708	Human	PRO
149	97	80.2	135	6	ABR70794	Abt70794	Human	sec	222	97	80.2	135	6	ABO35708	AbO35708	Human	PRO
150	97	80.2	135	6	ABO05145	AbO05145	Novel	hum	223	97	80.2	135	6	ABO35708	AbO35708	Human	PRO
151	97	80.2	135	6	ABO08553	AbO08553	Human	sec	224	97	80.2	135	6	ABM10548	Abm10548	Human	sec
152	97	80.2	135	6	ABU88614	Abu88614	Human	sec	225	97	80.2	135	6	ABM12073	Abm12073	Human	sec
153	97	80.2	135	6	ABO34128	AbO34128	Human	PRO	226	97	80.2	135	6	ABO52219	AbO52219	Human	PRO
154	97	80.2	135	6	ABO05760	AbO05760	Human	sec	227	97	80.2	135	6	ABO55524	AbO55524	Human	PRO
155	97	80.2	135	6	ABR74149	Abt74149	Human	sec	228	97	80.2	135	6	ABO25842	AbO25842	Human	sec
156	97	80.2	135	6	ABR95741	Abt95741	Human	sec	229	97	80.2	135	6	ADA17887	Ada17887	Human	sec
157	97	80.2	135	6	ABR81038	Abt81038	Human	sec	230	97	80.2	135	6	ABR97328	Abt97328	Human	sec
158	97	80.2	135	6	ABR81343	Abt81343	Human	sec	231	97	80.2	135	6	ABR87116	Abt87116	Human	sec
159	97	80.2	135	6	ABM01039	Abm01039	Human	sec	232	97	80.2	135	6	ABM11158	Abm11158	Human	sec
160	97	80.2	135	6	ABR88641	Abt88641	Human	sec	233	97	80.2	135	6	ABM28302	Abm28302	Human	sec
161	97	80.2	135	6	ABM77462	Abm77462	Human	sec	234	97	80.2	135	6	ABO32301	AbO32301	Human	sec
162	97	80.2	135	6	ABO28946	AbO28946	Human	sec	235	97	80.2	135	6	ABM15428	Abm15428	Human	sec
163	97	80.2	135	6	ABO31691	AbO31691	Human	sec	236	97	80.2	135	6	ABM06583	Abm06583	Human	sec
164	97	80.2	135	6	ABM08108	Abm08108	Human	sec	237	97	80.2	135	6	ABM04394	Abm04394	Human	sec
165	97	80.2	135	6	ABO40588	AbO40588	Human	sec	238	97	80.2	135	6	ABM22507	Abm22507	Human	sec
166	97	80.2	135	6	ABO36013	AbO36013	Human	PRO	239	97	80.2	135	6	ABM07803	AbO07803	Human	sec
167	97	80.2	135	6	ABO44152	AbO44152	Human	PRO	240	97	80.2	135	6	ABO40893	AbO40893	Human	sec
168	97	80.2	135	6	ADJ78196	AdJ78196	Human	sec	241	97	80.2	135	6	ABM35540	Abm35540	Human	sec
169	97	80.2	135	6	ABM24947	Abm24947	Human	sec	242	97	80.2	135	6	ABM33303	Abm33303	Human	sec
170	97	80.2	135	6	ABO03215	AbO03215	Human	sec	243	97	80.2	135	6	ABO52829	AbO52829	Human	PRO
171	97	80.2	135	6	ABR90471	Abt90471	Human	sec	244	97	80.2	135	6				

245	97	80.2	135	6	ABO50389	AbO50389	Human	sec	318	97	80.2	135	6	ABO48559	AbO48559	Human	sec
246	97	80.2	135	6	ABO99383	AbO99383	Human	sec	319	97	80.2	135	6	ABO51609	AbO51609	Human	PRO
247	97	80.2	135	6	ABO04435	AbO04435	Human	sec	320	97	80.2	135	6	ABO51914	AbO51914	Human	PRO
248	97	80.2	135	6	ABO06065	AbO06065	Human	sec	321	97	80.2	135	6	ABO50694	AbO50694	Human	sec
249	97	80.2	135	6	ABM18605	AbM18605	Human	sec	322	97	80.2	135	6	ABR79818	AbR79818	Human	sec
250	97	80.2	135	6	ADA27995	AdA27995	Human	sec	323	97	80.2	135	6	ABM17080	AbM17080	Human	sec
251	97	80.2	135	6	ABR97633	AbR97633	Human	sec	324	97	80.2	135	6	ABO18112	AbO18112	Human	sec
252	97	80.2	135	6	ABR80733	AbR80733	Human	sec	325	97	80.2	135	6	ABO21064	AbO21064	Human	sec
253	97	80.2	135	6	ABM01344	AbM01344	Human	sec	326	97	80.2	135	6	ABR97023	AbR97023	Human	sec
254	97	80.2	135	6	ABR88946	AbR88946	Human	sec	327	97	80.2	135	6	ADA38800	AdA38800	Human	sec
255	97	80.2	135	6	ABM13598	AbM13598	Human	sec	328	97	80.2	135	6	ABM12378	AbM12378	Human	sec
256	97	80.2	135	6	ABM20982	AbM20982	Human	sec	329	97	80.2	135	6	ABM16470	AbM16470	Human	sec
257	97	80.2	135	6	ABO42113	AbO42113	Human	sec	330	97	80.2	135	6	ABM24337	AbM24337	Human	sec
258	97	80.2	135	6	ABO42723	AbO42723	Human	sec	331	97	80.2	135	6	ABM14818	AbM14818	Human	sec
259	97	80.2	135	6	ABM10243	AbM10243	Human	sec	332	97	80.2	135	6	ABM04699	AbM04699	Human	sec
260	97	80.2	135	6	ABO38758	AbO38758	Human	sec	333	97	80.2	135	6	ABM06888	AbM06888	Human	sec
261	97	80.2	135	6	ABM32998	AbM32998	Human	sec	334	97	80.2	135	6	ABM09328	AbM09328	Human	sec
262	97	80.2	135	6	ABM22812	AbM22812	Human	sec	335	97	80.2	135	6	ABO39368	AbO39368	Human	sec
263	97	80.2	135	6	ABM75023	AbM75023	Human	sec	336	97	80.2	135	6	ABM75633	AbM75633	Human	sec
264	97	80.2	135	6	ADA79988	AdA79988	Human	sec	337	97	80.2	135	6	ABM25557	AbM25557	Human	sec
265	97	80.2	135	6	ABR96413	AbR96413	Human	sec	338	97	80.2	135	6	ABM20067	AbM20067	Human	sec
266	97	80.2	135	6	ABM02564	AbM02564	Human	sec	339	97	80.2	135	6	ABO46973	AbO46973	Human	PRO
267	97	80.2	135	6	ABR86506	AbR86506	Human	sec	340	97	80.2	135	6	ABO47278	AbO47278	Human	PRO
268	97	80.2	135	6	ABR86811	AbR86811	Human	sec	341	97	80.2	135	6	ADA83513	AdA83513	Human	sec
269	97	80.2	135	6	ABM16775	AbM16775	Human	sec	342	97	80.2	135	6	ABR71709	AbR71709	Human	sec
270	97	80.2	135	6	ABM29827	AbM29827	Human	sec	343	97	80.2	135	6	ABR72319	AbR72319	Human	sec
271	97	80.2	135	6	ABO29251	AbO29251	Human	sec	344	97	80.2	135	6	ABR89658	AbR89658	Human	sec
272	97	80.2	135	6	ABM24032	AbM24032	Human	sec	345	97	80.2	135	6	ABO07028	AbO07028	Human	sec
273	97	80.2	135	6	ABM23422	AbM23422	Human	sec	346	97	80.2	135	6	ABR84981	AbR84981	Human	sec
274	97	80.2	135	6	ABM22202	AbM22202	Human	sec	347	97	80.2	135	6	ABR73539	AbR73539	Human	sec
275	97	80.2	135	6	ABO37843	AbO37843	Human	sec	348	97	80.2	135	6	ABR96633	AbR96633	Human	sec
276	97	80.2	135	6	ABM28607	AbM28607	Human	sec	349	97	80.2	135	6	ABR73234	AbR73234	Human	sec
277	97	80.2	135	6	ABM28912	AbM28912	Human	sec	350	97	80.2	135	6	ABJ72409	AbJ72409	Human	PRO
278	97	80.2	135	6	ABM66556	AbM66556	Human	sec	351	97	80.2	135	6	ABM18300	AbM18300	Human	sec
279	97	80.2	135	6	ABM75938	AbM75938	Human	sec	352	97	80.2	135	6	ABO20759	AbO20759	Human	sec
280	97	80.2	135	6	ABM34218	AbM34218	Human	sec	353	97	80.2	135	6	ABO25502	AbO25502	Human	PRO
281	97	80.2	135	6	ABM34523	AbM34523	Human	sec	354	97	80.2	135	6	ABO25807	AbO25807	Human	PRO
282	97	80.2	135	6	ABO20454	AbO20454	Human	sec	355	97	80.2	135	6	ADR94216	AdR94216	Human	sec
283	97	80.2	135	6	ABO21369	AbO21369	Human	sec	356	97	80.2	135	6	ADR92921	AdR92921	Human	sec
284	97	80.2	135	6	ABO22284	AbO22284	Human	sec	357	97	80.2	135	6	ABR80123	AbR80123	Human	sec
285	97	80.2	135	6	ABR96718	AbR96718	Human	sec	358	97	80.2	135	6	ABM11463	AbM11463	Human	sec
286	97	80.2	135	6	ADA94575	AdA94575	Human	sec	359	97	80.2	135	6	ABO33070	AbO33070	Human	PRO
287	97	80.2	135	6	ABR58966	AbR58966	Human	sec	360	97	80.2	135	6	ABO30776	AbO30776	Human	sec
288	97	80.2	135	6	ABR99878	AbR99878	Human	sec	361	97	80.2	135	6	ABO31081	AbO31081	Human	sec
289	97	80.2	135	6	ABM00734	AbM00734	Human	sec	362	97	80.2	135	6	ABM27387	AbM27387	Human	sec
290	97	80.2	135	6	ABM00429	AbM00429	Human	sec	363	97	80.2	135	6	ABM30132	AbM30132	Human	sec
291	97	80.2	135	6	ABO29861	AbO29861	Human	sec	364	97	80.2	135	6	ABM05668	AbM05668	Human	sec
292	97	80.2	135	6	ABM23727	AbM23727	Human	sec	365	97	80.2	135	6	ABM15733	AbM15733	Human	sec
293	97	80.2	135	6	ABM29522	AbM29522	Human	sec	366	97	80.2	135	6	ABM08718	AbM08718	Human	sec
294	97	80.2	135	6	ABO38453	AbO38453	Human	sec	367	97	80.2	135	6	ABO42418	AbO42418	Human	sec
295	97	80.2	135	6	ABO45753	AbO45753	Human	sec	368	97	80.2	135	6	ABO38148	AbO38148	Human	sec
296	97	80.2	135	6	ABM20677	AbM20677	Human	sec	369	97	80.2	135	6	ABO46058	AbO46058	Human	PRO
297	97	80.2	135	6	ADA81715	AdA81715	Human	sec	370	97	80.2	135	6	ABM66861	AbM66861	Human	sec
298	97	80.2	135	6	ABO16791	AbO16791	Human	sec	371	97	80.2	135	6	ADB20556	AdB20556	Human	sec
299	97	80.2	135	6	ABO18417	AbO18417	Human	sec	372	97	80.2	135	6	ABM19762	AbM19762	Human	sec
300	97	80.2	135	6	ABO22844	AbO22844	Human	PRO	373	97	80.2	135	6	ABO49474	AbO49474	Human	sec
301	97	80.2	135	6	ABO23149	AbO23149	Human	PRO	374	97	80.2	135	6	ABO49779	AbO49779	Human	sec
302	97	80.2	135	6	ABR92691	AbR92691	Human	sec	375	97	80.2	135	6	ADA78808	AdA78808	Human	sec
303	97	80.2	135	6	ABR81648	AbR81648	Human	sec	376	97	80.2	135	6	ABO34304	AbO34304	Human	sec
304	97	80.2	135	6	ABM78072	AbM78072	Human	sec	377	97	80.2	135	6	ABR88336	AbR88336	Human	sec
305	97	80.2	135	6	ABR89861	AbR89861	Human	sec	378	97	80.2	135	6	ABM27082	AbM27082	Human	sec
306	97	80.2	135	6	ABM26777	AbM26777	Human	sec	379	97	80.2	135	6	ABM03479	AbM03479	Human	sec
307	97	80.2	135	6	ABM13903	AbM13903	Human	sec	380	97	80.2	135	6	ABO39978	AbO39978	Human	sec
308	97	80.2	135	6	ABO28641	AbO28641	Human	sec	381	97	80.2	135	7	ABO50084	AbO50084	Human	sec
309	97	80.2	135	6	ABO30471	AbO30471	Human	sec	382	97	80.2	135	7	ABO50999	AbO50999	Human	sec
310	97	80.2	135	6	ABM07498	AbM07498	Human	sec	383	97	80.2	135	7	ABO05455	AbO05455	Human	sec
311	97	80.2	135	6	ABM04089	AbM04089	Human	sec	384	97	80.2	135	7	ABR74759	AbR74759	Human	sec
312	97	80.2	135	6	ABO37223	AbO37223	Human	sec	385	97	80.2	135	7	ABR77238	AbR77238	Human	sec
313	97	80.2	135	6	ABO41808	AbO41808	Human	sec	386	97	80.2	135	7	ABM17995	AbM17995	Human	sec
314	97	80.2	135	6	ABO35403	AbO35403	Human	PRO	387	97	80.2	135	7	ABR96046	AbR96046	Human	sec
315	97	80.2	135	6	ABM25252	AbM25252	Human	sec	388	97	80.2	135	7	ABO21979	AbO21979	Human	sec
316	97	80.2	135	6	ABO47644	AbO47644	Human	sec	389	97	80.2	135	7	ABO20149	AbO20149	Human	sec
317	97	80.2	135	6	ABO47949	AbO47949	Human	sec	390	97	80.2	135	7	ABO24452	AbO24452	Human	sec

391	97	80.2	135	7	ABR86201	Human	sec	454	97	80.2	135	7	ABM75328	Human	sec
392	97	80.2	135	7	ABM10853	Human	sec	455	97	80.2	135	7	ABM33608	Human	sec
393	97	80.2	135	7	ABM76852	Human	sec	456	97	80.2	135	7	ABO46363	Human	PRO
394	97	80.2	135	7	ABR89556	Human	sec	457	97	80.2	135	7	ADAE82879	Human	sec
395	97	80.2	135	7	ABM12683	Human	sec	458	97	80.2	135	7	ADB83598	Novel	hum
396	97	80.2	135	7	ABM05973	Human	sec	459	97	80.2	135	7	ADB80704	Novel	hum
397	97	80.2	135	7	ABO35098	Human	PRO	470	97	80.2	135	7	ADB73245	Novel	hum
398	97	80.2	135	7	ABM03174	Human	sec	471	97	80.2	135	7	ADB96367	Human	PRO
399	97	80.2	135	7	ABM19152	Human	sec	472	97	80.2	135	7	ABM31962	Human	sec
400	97	80.2	135	7	ABM19457	Human	sec	473	97	80.2	135	7	ADB78327	Human	sec
401	97	80.2	135	7	ABO46668	Human	PRO	474	97	80.2	135	7	ABM31352	Human	sec
402	97	80.2	135	7	ABO49169	Human	sec	475	97	80.2	135	7	ADB84975	Human	PRO
403	97	80.2	135	7	ABR69212	Human	sec	476	97	80.2	135	7	ADB78081	Novel	hum
404	97	80.2	135	7	ABR89251	Human	sec	477	97	80.2	135	7	ADB86187	Human	sec
405	97	80.2	135	7	ABR89251	Human	sec	478	97	80.2	135	7	ABM32267	Human	sec
406	97	80.2	135	7	ABR74454	Human	sec	479	97	80.2	135	7	ABM32572	Human	sec
407	97	80.2	135	7	ABO18722	Human	sec	480	97	80.2	135	7	ADB87147	Human	PRO
408	97	80.2	135	7	ABR80428	Human	sec	481	97	80.2	135	7	ADB84729	Human	PRO
409	97	80.2	135	7	ABM01649	Human	sec	482	97	80.2	135	7	ABM31657	Human	sec
410	97	80.2	135	7	ABM02259	Human	sec	483	97	80.2	135	7	ABM31047	Human	sec
411	97	80.2	135	7	ABR87421	Human	sec	484	97	80.2	135	7	ADB83844	Novel	hum
412	97	80.2	135	7	ABM12988	Human	sec	485	97	80.2	135	7	ADB72999	Novel	hum
413	97	80.2	135	7	ABM30742	Human	sec	486	97	80.2	135	7	ADCS7839	Human	PRO
414	97	80.2	135	7	ABM24642	Human	sec	487	97	80.2	135	7	ADCS5203	Human	PRO
415	97	80.2	135	7	ABO29556	Human	sec	488	97	80.2	135	7	ADCL2070	Human	sec
416	97	80.2	135	7	ABO31386	Human	sec	489	97	80.2	135	7	ADCS6492	Human	PRO
417	97	80.2	135	7	ABM14513	Human	sec	490	97	80.2	135	7	ADCO7547	Human	sec
418	97	80.2	135	7	ABM09938	Human	sec	491	97	80.2	135	7	ADCL1537	Human	sec
419	97	80.2	135	7	ABO39063	Human	sec	492	97	80.2	135	7	ADCS6837	Human	PRO
420	97	80.2	135	7	ABM34828	Human	sec	493	97	80.2	135	7	ADCL1827	Human	PRO
421	97	80.2	135	7	ABO51304	Human	sec	494	97	80.2	135	7	ADCS49858	Human	PRO
422	97	80.2	135	7	ABO04130	Human	sec	495	97	80.2	135	7	ADCS9057	Novel	hum
423	97	80.2	135	7	ABO10600	Human	PRO	496	97	80.2	135	7	ADCS49574	Novel	hum
424	97	80.2	135	7	ABO53214	Human	sec	497	97	80.2	135	7	ADCS47435	Novel	hum
425	97	80.2	135	7	ABR77843	Human	sec	498	97	80.2	135	7	ADCL1659	Novel	hum
426	97	80.2	135	7	ABR79053	Human	sec	499	97	80.2	135	7	ADCL47180	Novel	hum
427	97	80.2	135	7	ABO24147	Human	sec	500	97	80.2	135	7	ADDO8191	Novel	hum
428	97	80.2	135	7	ABR93911	Human	sec	501	97	80.2	135	7	ADDO82016	Human	PRO
429	97	80.2	135	7	ABM01954	Human	sec	502	97	80.2	135	7	ADDO7658	Novel	hum
430	97	80.2	135	7	ABM78377	Human	sec	503	97	80.2	135	7	ADCS78055	Novel	hum
431	97	80.2	135	7	ABR90166	Human	sec	504	97	80.2	135	7	ADCS82549	Human	PRO
432	97	80.2	135	7	ADAE2482	Human	sec	505	97	80.2	135	7	ADDO6290	Novel	hum
433	97	80.2	135	7	ABM27692	Human	sec	506	97	80.2	135	7	ADDO5917	Human	sec
434	97	80.2	135	7	ABM13293	Human	sec	507	97	80.2	135	7	ADDO10459	Human	sec
435	97	80.2	135	7	ABM13986	Human	sec	508	97	80.2	135	7	ADDO8729	Novel	hum
436	97	80.2	135	7	ABM14208	Human	sec	509	97	80.2	135	7	ADCS77809	Novel	hum
437	97	80.2	135	7	ABM08413	Human	sec	510	97	80.2	135	7	ADDO6978	Novel	hum
438	97	80.2	135	7	ABO40283	Human	sec	511	97	80.2	135	7	ADDO6978	Novel	hum
439	97	80.2	135	7	ABM74718	Human	sec	512	97	80.2	135	7	ADDO11419	Human	sec
440	97	80.2	135	7	ABM33913	Human	sec	513	97	80.2	135	7	ADCS83225	Human	PRO
441	97	80.2	135	7	ABM03072	Human	sec	514	97	80.2	135	7	ADDO50772	Novel	hum
442	97	80.2	135	7	ABO48864	Human	sec	515	97	80.2	135	7	ADDO51018	Novel	hum
443	97	80.2	135	7	ABO22584	Human	sec	516	97	80.2	135	7	ADDO55332	Human	PRO
444	97	80.2	135	7	ABR72929	Human	sec	517	97	80.2	135	7	ADDO77212	Human	sec
445	97	80.2	135	7	ABO15571	Human	sec	518	97	80.2	135	7	ADDO6290	Human	PRO
446	97	80.2	135	7	ABR85286	Human	sec	519	97	80.2	135	7	ADDO54728	Human	PRO
447	97	80.2	135	7	ABO15266	Human	sec	520	97	80.2	135	7	ADDO50253	Human	PRO
448	97	80.2	135	7	ABO17401	Human	sec	521	97	80.2	135	7	ADDO51264	Novel	hum
449	97	80.2	135	7	ABM17580	Human	sec	522	97	80.2	135	7	ADDO6882	Novel	hum
450	97	80.2	135	7	ADAO6648	Human	sec	523	97	80.2	135	7	ADDO68349	Novel	hum
451	97	80.2	135	7	ABO72111	Human	mem	524	97	80.2	135	7	ADDO48811	Novel	hum
452	97	80.2	135	7	ADAE3941	Human	sec	525	97	80.2	135	7	ADDO20982	Novel	hum
453	97	80.2	135	7	ABR85591	Human	sec	526	97	80.2	135	7	ADDO50826	Human	PRO
454	97	80.2	135	7	ABM7157	Human	sec	527	97	80.2	135	7	ADDO75055	Human	PRO
455	97	80.2	135	7	ABO28336	Human	sec	528	97	80.2	135	7	ADDO75801	Novel	hum
456	97	80.2	135	7	ABM23117	Human	sec	529	97	80.2	135	7	ADDO85033	Novel	hum
457	97	80.2	135	7	ABM30457	Human	sec	530	97	80.2	135	7	ADDO6859	Novel	hum
458	97	80.2	135	7	ABM21897	Human	sec	531	97	80.2	135	7	ADDO20736	Novel	hum
459	97	80.2	135	7	ABM21592	Human	sec	532	97	80.2	135	7	ADDO39033	Novel	hum
460	97	80.2	135	7	ABM15123	Human	sec	533	97	80.2	135	7	ADDO5580	Human	PRO
461	97	80.2	135	7	ABO41198	Human	sec	534	97	80.2	135	7	ADDO73565	Human	PRO
462	97	80.2	135	7	ABO36928	Human	sec	535	97	80.2	135	7	ADDO78405	Novel	hum
463	97	80.2	135	7	ABO37558	Human	sec	536	97	80.2	135	7	ADDO41420	Human	sec

537	97	80.2	135	8	AD574581	Human sec
538	97	80.2	135	8	AD521228	Novel hum
539	97	80.2	135	8	AD777343	Novel hum
540	97	80.2	135	8	AD520490	Novel hum
541	97	80.2	135	8	AD755555	Human PRO
542	97	80.2	135	8	AD740711	Human PRO
543	97	80.2	135	8	AD74317	Human PRO
544	97	80.2	135	8	AD76047	Novel hum
545	97	80.2	135	8	AD55539	Novel hum
546	97	80.2	135	8	AD50508	Human PRO
547	97	80.2	135	8	AD75301	Human PRO
548	97	80.2	135	8	AD76845	Novel hum
549	97	80.2	135	8	AD56613	Novel hum
550	97	80.2	135	8	AD78081	Novel hum
551	97	80.2	135	8	AD575193	Human sec
552	97	80.2	135	8	AD77589	Novel hum
553	97	80.2	135	8	AD77835	Novel hum
554	97	80.2	135	8	AD52933	Novel hum
555	97	80.2	135	8	AD73825	Human PRO
556	97	80.2	135	8	AD74563	Human PRO
557	97	80.2	135	8	AD77091	Novel hum
558	97	80.2	135	8	AD5785	Novel hum
559	97	80.2	135	8	AD50534	Human PRO
560	97	80.2	135	8	AD74809	Human PRO
561	97	80.2	135	8	AD75228	Human sec
562	66	54.5	121	5	AD52692	Human gen
563	66	54.5	121	5	AD527130	Human gen
564	66	54.5	121	6	AD50503	Human sec
565	49	40.5	44	6	AD52634	Human 5'
566	40	33.1	44	6	AD70776	Human ext
567	39	32.2	39	2	AD74414	Novel hum
568	36	29.8	36	5	AD75249	Fragment
569	36	29.8	36	5	AD7015	Human gen
570	36	29.8	36	5	AD527153	Human gen
571	36	29.8	36	6	AD5026	Human sec

ALIGNMENTS

RESULT 1
AAW75212 standard; protein; 121 AA.

AC AAW75212;

DT 29-JAN-1999 (first entry)

DE Human secreted protein encoded by gene 17 clone HPW091.

XX Human; secreted protein; fusion protein; gene therapy; protein therapy;
 XX diagnosis; tissue; cancer; tumour; neurodegenerative disorder; leukaemia;
 XX developmental abnormality; foetal deficiency; blood; allergy; renal;
 XX immune system; asthma; lymphocytic disease; brain; hepatic; lymphoma;
 XX inflammation; ischaemic shock; Alzheimer's disease; restenosis; AIDS;
 XX cognitive disorder; schizophrenia; prostate; obesity; osteoclasts; thymus;
 XX osteoporosis; arthritis; testis; thyroiditis; thyroid; digestion;
 XX endocrine; metabolism; regulation; lung; thyroiditis; thyroid; digestion;
 XX endocrine; metabolism; regulation; lung; thyroiditis; thyroid; digestion;
 XX Homo sapiens.

OS Homo sapiens.

PN WO940483-A2.

XX 17-SEP-1998.

XX 12-MAR-1998; 98WO-US004858.

XX 14-MAR-1997; 97US-0040710P.

XX 14-MAR-1997; 97US-0040762P.

XX 30-MAY-1997; 97US-0048100P.

XX 30-MAY-1997; 97US-0048189P.

XX 30-MAY-1997; 97US-0048357P.

XX 30-MAY-1997; 97US-0050934P.

PR	06-JUN-1997;	97US-0048970P.
PR	05-SEP-1997;	97US-0057765P.
PR	19-DEC-1997;	97US-0068368P.
XX		
PA	(HUMA-) HUMAN GENOME SCI INC.	
XX		
PI	Ruben SM, Rosen CA, Li Y, Zeng Z, Kyaw H, Fischer CL, Li H;	
PI	Soppet DR, Genz RL, Wei YF, Moore PA, Young PE, Greene JM;	
PI	Ferrie AM,	
XX		
DR	WPI, 1998-520811/44.	
DR	N-PSDB; AAV34302.	
XX		
PT	Isolated human poly:nucleotide(s) encoding secretory peptide(s) - used to	
PT	develop products for the diagnosis and treatment of e.g. inflammation,	
PT	cancers, CNS disorders or immune system disorders.	
XX		
PS	Claim 1; Page 162-163; 201pp; English.	
XX		
CC	This sequence represents a secreted human protein encoded by the gene	
CC	clone detailed in the descriptor line. The gene can be used to generate	
CC	fusion proteins by linking to the gene to a human immunoglobulin Fc	
CC	portion (e.g. AAV34277) for increasing the stability of the fused protein	
CC	as compared to the human protein only. The invention relates to 28 novel	
CC	genes and their fragments (nucleic acid sequences: AAV34286-V43325; amino	
CC	acid sequences AAV5196-W75235) which are useful for preventing, treating	
CC	or ameliorating medical conditions e.g. by protein or gene therapy. Also,	
CC	pathological conditions can be diagnosed by determining the amount of the	
CC	new polypeptides in a sample or by determining the presence of mutations	
CC	in the new polynucleotides. Specific uses are described for each of the	
CC	28 polynucleotides, based on which tissues they are most highly expressed	
CC	in (see AAV34286 for described uses)	
XX		
SQ	Sequence 121 AA;	

Query Match 100.0%; Score 121; DB 2; Length 121;

Best local similarity 100.0%; Pred. No. 1, 1e-11; Matches 121; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	MRIMLFTAILAFSLAOSFGAVCKEPOEEVPGGGRKRDPLYQLLQRLFKSHSISLEG	60
DB	1	MRIMLFTAILAFSLAOSFGAVCKEPOEEVPGGGRKRDPLYQLLQRLFKSHSISLEG	60
QY	61	LKALSQASTDPKESPEKRDMDHFFVGLMGKRSVQDSDPTDNOENVPSFGILKXPPRA	120
DB	61	LKALSQASTDPKESPEKRDMDHFFVGLMGKRSVQDSDPTDNOENVPSFGILKXPPRA	120
QY	121	E 121	
DB	121	E 121	

RESULT 2
AAW97213 standard; protein; 121 AA.

ID AAW97213;

AC AAW97213;

DT 07-MAY-1999 (first entry)

DE A human zneuroki polypeptide.

XX Human; zneuroki; neurokinin B; prohormone convertase; cell growth;

XX modulation; inflammation; nociception; emesis; contraction;

XX hormone secretion; DNA synthesis; inositol phosphate turnover;

XX arachidonate release; phospholipase-C activation; gastric emptying;

XX human neurokinin activation; ADCC capability;

XX superoxide anion production; gene therapy.

XX Homo sapiens.

XX WO9855612-A1.

Query Match	100.0%	Score 121	DB 2	Length 121
Best Local Similarity	100.0%	Pred. No. 1,1e-111	Gaps 0	
Matches 121	Conservative 0	Mismatches 0	Indels 0	
Sequence 121 AA:				
Query	1	MRIMLFTALIAFSLAQSGAVCKEPQEBVYVFGGGRSRDDPLVQLLQRLFKSHSILEGL	60	
Db	1	MRIMLFTALIAFSLAQSGAVCKEPQEBVYVFGGGRSRDDPLVQLLQRLFKSHSILEGL	60	
Qy	61	LKALISQASTPKKSTSPKRDNDHDFVGLMGGRSVQPSPTDVNQENVSPGILKTPPPRA	120	
Db	61	LKALISQASTPKKSTSPKRDNDHDFVGLMGGRSVQPSPTDVNQENVSPGILKTPPPRA	120	
Qy	121	E 121		
Db	121	E 121		
RESULT 3				
AAW74413				
ID	AAW74413	standard, protein, 121 AA.		
XX	AAW74413			
XX	AC			
XX	AD			
XX	DT	10-MAY-1999 (first entry)		
XX	DE			
XX	DE	HPMBQ91 protein sequence.		
XX	KM	HPMBQ91, neurokinin B precursor, neuronal disorder, CNS related disorder,		
XX	KM	gastrointestinal disorder, cardiovascular disorder, metabolic disorder,		
XX	XX	smooth muscle disorder, inflammatory disorder, cancer, gene therapy.		
XX	OS	Homo sapiens.		
XX	EN	EPB92053-A2.		
XX	PD	20-JAN-1999.		
XX	PF	26-JUN-1998; 98EP-00305066.		
XX				

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PR      14-JUL-1997;       97EP-00305215.
PA      (SMK ) SMITHLINE BEECHAM PLC.
PA      (HDBA-) HUMAN GENOME SCI.
PI      Duckworth DM, Hastings GA, Ruben SM,
DR      WPI; 1999-083570/08.
XX      N-FSDE; AAX18197.
PT      New human neurokinin B precursor (HPMBQ91) polypeptides and
PT      polynucleotide - useful as diagnostic reagents and for prevention and
PT      treatment of neuronal, metabolic, inflammatory and gastrointestinal
PT      disorders, and cancers.
PS      Claim 11; Page 14-15; 18pp; English.
XX
XX      This sequence is the human neurokinin B precursor HPMBQ91 of the
CC      invention. HPMBQ91 polypeptides and polynucleotides are useful for
CC      diagnosing susceptibility to diseases associated with HPMBQ91 protein
CC      imbalance by determining HPMBQ91 polypeptide expression levels. HPMBQ91
CC      polypeptides can be used to screen for agonists and antagonists by
CC      measuring the binding to HPMBQ91, and observing the stimulation or
CC      inhibition of HPMBQ91 function. These can be used in treatment to
CC      activate or inhibit HPMBQ91 activity to treat conditions associated with
CC      a lack of HPMBQ91 protein. Gene therapy may also be used to affect
CC      endogenous HPMBQ91 polypeptide expression. HPMBQ91 antibodies are useful
CC      for inducing an immune response to immunise and prevent disease, and for
CC      isolating HPMBQ91 clones or purifying the polypeptides by affinity or
CC      chromatography. HPMBQ91 polypeptides can be administered directly or as a
CC      vaccine to inoculate against disease. Diseases diagnosed, prevented and
CC      treated include: neuronal disorders; CNS related disorders;
CC      gastrointestinal and cardiovascular disorders; metabolic disorders
CC      including diabetes and obesity; smooth muscle disorders; inflammatory
CC      disorders; and cancers including adenomas, leiomyomas, liposarcomas,
CC      melanomas, pulmonary chondroid hamartomas, lung, prostate and breast
CC      cancer. The HPMBQ91 polypeptide is also useful for mapping the gene to a
CC      chromosome, allowing gene inheritance to be studied through linkage
CC      analysis, and tissue localisation studies, for determining HPMBQ91
CC      expression patterns
SQ
SQ      Sequence 121 AA;
Query Match          100.0%; Score 121; DB 2; Length 121;
Best Local Similarity 100.0%; Pred. No. 1,1e-11; Indels 0; Gaps 0
Matches 121; Conservative 0; Mismatches 0; Indels 0; Gaps 0
QY      1 MRIMLFTAILAFSLAQSGFVACKEPOBEVVPPGGGRSKRBDLYQLLRFPKSHSLBGL 60
DB      1 MRIMLFTAILAFSLAQSGFVACKEPOBEVVPPGGGRSKRBDLYQLLRFPKSHSLBGL 60
QY      61 LKAISQASTDPKRESISPEKRDMDPFFVLMKRSTVQSPSPPDVNQENVPSGIIKYPPRA 120
DB      61 LKAISQASTDPKRESISPEKRDMDPFFVLMKRSTVQSPSPPDVNQENVPSGIIKYPPRA 120
QY      121 E 121
DB      121 E 121
RESULT 4
AAB82380
ID      AAB82380 standard; protein; 121 AA.
XX      AA82380;
XX      AC
XX      DT      23-JUN-2001 (first entry)
XX      DE      Human neurokinin B precursor.
XX      KW      Neurokinin B; human; pregnancy; hypertension; pre-eclampsia; diagnosis;
XX      therapy.

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XX	Homo sapiens.	Location/Qualifiers
XX	Key	81..91
XX	Peptide	/label= Neurokinin
XX		
XX	MO200136979-A2.	
XX		
XX	25-MAY-2001.	
XX		
XX	10-NOV-2000; 2000MO-GB004315.	
XX		
XX	16-NOV-1999; 99GB-00027125.	
XX		
XX	(UYRE-) UNITV READING.	
XX		
XX	Page N, Lowry P;	
XX		
XX	WP1; 2001-355676/37.	
XX		
XX	N-PSDB; AAF90333, AAF90334.	
XX		
XX	Detecting production of the human precursor of neurokinin B by the	
XX	placenta in pregnancy induced hypertension or pre-eclampsia or related	
XX	fetal complication.	
XX		
XX	Example 1; Fig 1; 63bp; English.	
XX		
XX	The present sequence is that of human neurokinin B (NKB) precursor. The	
XX	cloning of placental cDNA (see AAF90333) was used to identify the NKB	
XX	precursor. The precursor is processed to the 10-amino acid NKB peptide.	
XX	Detection of raised plasma levels of NKB, NKB precursor, its breakdown	
XX	product or variants at an early stage of pregnancy provide an indication	
XX	of the likely development of pregnancy induced hypertension or pre-	
XX	eclampsia. Reduction in the levels of circulating NKB (or reduction of	
XX	its effects) will ameliorate the adverse effects upon the mother seen in	
XX	these conditions. Thus, the invention provides methods for predicting or	
XX	diagnosing pregnancy induced hypertension, pre-eclampsia or related	
XX	fetal complication based on measuring NKB levels in the blood, and	
XX	methods for preventing or treating these conditions, e.g. by	
XX	administering an agent that inhibits the biological effect of NKB, such	
XX	as an NK1, NK2 or NK3 antagonist	
XX		
XX	Sequence 121 AA:	
XX		
XX	Query Match 100.0%; Score 121; DB 4; Length 121;	
XX	Best Local Similarity 100.0%; Pred. No. 1,1e-111;	
XX	Matches 121; Conservative 0; Mismatches 0; Indels 0; Gaps 0;	
XX		
XX	1 MRLIMLFTLILFSLAOSFGAVCKEPOEBSVVGGRSKRDPDLYLQRLFKSHSLSGCL 60	
XX	1 MRLIMLFTLILFSLAOSFGAVCKEPOEBSVVGGRSKRDPDLYLQRLFKSHSLSGCL 60	
XX	61 LKALSGASTDPKEKSTSPKRDMDHDFVGLMGSRVQPDSPDTDVENQENVPFGLIKYPPRA 120	
XX	61 LKALSGASTDPKEKSTSPKRDMDHDFVGLMGSRVQPDSPDTDVENQENVPFGLIKYPPRA 120	
XX	121 E 121	
XX	121 E 121	
XX		
XX	121 E 121	
XX		
XX	RESULT 5	
XX	AAE26975	
XX	ID AAE26975 standard; protein; 121 AA.	
XX	AAE26975;	
XX		
XX	13-DEC-2002 (first entry)	
XX		
XX	Human gene 17 encoded secreted protein HPMB91, SEQ ID NO:68.	
XX		
XX	Human; immunodeficiency; X-linked agammaglobulinemia; septic shock;	
XX	autoimmune disorder; Rheumatoid arthritis; multiple sclerosis; cancer;	
XX		

Key	Location/Qualifiers
Peptide	1..16
Protein	/label= Signal_peptide 17..121 /note= "Human mature secreted protein"
US200207287-A1.	
20-JUN-2002.	
11-MAY-2001; 2001US-00852659.	
11-SEP-1998; 98US-00152060.	
(RUBE/) RUBEN S M.	
(ROSE/) ROSEN C A.	
(LIYY/) LI Y.	
(ZENG/) ZENG Z.	
(KYAW/) KYAW H.	
(FISC/) FISCHER C L.	
(LIHR/) LI H.	
(SOPE/) SOPEP D R.	
(GENT/) GENTZ R L.	
(WEIX/) WEI Y.	
(MOOR/) MOORE P A.	
(YOUN/) YOUNG P E.	
(GREE/) GREENE J M.	
(FERR/) FERRIE A M.	
Ruben SM, Rosen CA, Li Y, Zeng Z, Kyaw H, Fischer CL, Li H, Sopep DR, Gentz RL, Wei Y, Moore PA, Young PE, Greene JM, Ferrie AM;	
WPI; 2002-598780/64.	
N-PSDB; AAD44652.	
Novel human secreted polypeptides and polynucleotides for diagnosing, preventing, treating immune, hyperproliferative, cardiovascular, neurological, reproductive disorders and identifying modulators of therapeutic use.	
Claim 11; Page 181-182; 209pp; English.	
AAD44636-AAD44676 represent cDNAs corresponding to 28 human secreted protein genes, and AAE26959-AAE26999 represent the proteins they encode. AAE27000-AAE27025 represent human secreted protein fragments or their variants. The secreted proteins and genes are useful for preventing, treating or ameliorating medical conditions, e.g., by protein or gene therapy. Specific uses are described for each of the 28 genes, based on the tissues in which they are most highly expressed and include developing products for the diagnosis or treatment of immunodeficiencies, e.g., X-linked agammaglobulinaemia, B cell immunodeficiencies, severe combined immunodeficiencies, autoimmune disorders e.g., systemic lupus erythematosus, rheumatoid arthritis, multiple sclerosis, autoimmune thyroiditis, autoimmune haemolytic anaemia, Goodpasture's syndrome, Grave's disease, diabetes mellitus, dermatitis, inflammatory bowel disease, Crohn's disease, haematopoietic disorders, respiratory disorders e.g., asthma and allergy, gastrointestinal disorders e.g., inflammatory bowel disease), cancers e.g., gastric, ovarian, lung, liver, bladder and	

CC breast), central nervous system (CNS) disorders e.g., ischaemic brain
 CC injury and/or stroke, neurodegenerative disorders e.g., Parkinson's
 CC disease and Alzheimer's disease, AIDS-related dementia and prion disease,
 CC cardiovascular disorders e.g., myocarditis, arrhythmias, atherosclerosis,
 CC inflammatory disorders e.g., hepatitis, gout, trauma, pancreatitis,
 CC sarcoidosis and allogeneic transplant rejection, blood-related disorder
 CC (thrombosis, arterial thrombosis, atherosclerosis), hyperproliferative
 CC disorders, respiratory disorders e.g., rhinitis, sinusitis, tonsillitis,
 CC lung cancer, allergic disorders, pneumonitis, renal disorders e.g. acute
 CC glomerulonephritis, neurological diseases, liver disorders, endocrine
 CC disorders e.g., hyperthyroidism, Addison's disease, hyperplutularism
 CC infectious diseases and reproductive system disorders e.g. endometriosis.
 CC The present sequence represents a human secreted protein of the invention
 XX
 SQ Sequence 121 AA;

Query Match 100.0%; Score 121; DB 5; Length 121;
 Best Local Similarity 100.0%; Pred. No. 1,1e-111;
 Matches 121; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTAILAFSLAOSFGAVCKEPOBEVVPGGGSRKRPDLYQLQRLFKSHSIEGL 60
 DB 1 MRIMLFTAILAFSLAOSFGAVCKEPOBEVVPGGGSRKRPDLYQLQRLFKSHSIEGL 60
 QY 61 LKALSQASTDPKESTSEPKRDMHDFVGLMGKRSVQDPSPTDVQENVPSFGILKYPRA 120
 DB 61 LKALSQASTDPKESTSEPKRDMHDFVGLMGKRSVQDPSPTDVQENVPSFGILKYPRA 120
 QY 121 E 121
 DB 121 E 121

RESULT 6
 AAE27113
 ID AAE27113 standard; protein; 121 AA.

AAE27113;
 13-DEC-2002 (first entry)

DE Human gene 17 encoded secreted protein HPMB091, SEQ ID NO:68.

XX Human; secreted protein; autoimmune disease; hyperproliferative disorder;
 KW rheumatoid arthritis; neoplasm; cerebrovascular disorder; angiogenesis;
 KW cerebral ischaemia; cardiovascular disorder; nervous system disorder;
 KW cardiac arrest; Alzheimer's disease; ocular disorder; wound healing;
 KW infection; corneal infection; skin aging; food additive; preservative;
 KW tissue regeneration; immunosuppressive; antiproliferative; cytostatic;
 KW antibiotic; vasotropic; cerebroprotective; nootropic; neuroprotective;
 KW antibacterial; virucide; fungicide; ophthalmological; gene therapy;
 KW vulnery; chromosome 12.

XX Homo sapiens.

XX
 FT Key Location/Qualifiers
 FT Peptide 1..16
 FT /label= signal_peptide
 FT Protein 17..121
 FT /note= "Mature human secreted protein"

PN US2002076756-A1.

PD 20-JUN-2002.

PF 11-MAY-2001; 2001US-00853161.

PR 02-FEB-2001; 2001US-0265583P.

XX (RUBEN/) RUBEN S M.
 PA (ROSE/) ROSEN C A.
 PA (LIY/) LI Y.
 PA (ZENG/) ZENG Z.

PA (KYAM/) KYAM H.
 PA (FISC/) FISCHER C L.
 PA (LIH/) LI H.
 PA (SOPE/) SOPEET D R.
 PA (GENT/) GENTZ R L.
 PA (WEI/) WEI Y.
 PA (MOOR/) MOORE P A.
 PA (YOUN/) YOUNG P E.
 PA (GREE/) GREENE J M.
 PA (FERR/) FERRIE A M.
 XX
 PI Ruben SM, Rosen CA, Li Y, Zeng Z, Kyaw H, Fischer CL, Li H;
 PI Soppet DR, Gentz RL, Wei Y, Moore PA, Young PE, Greene JM;
 PI Ferrie AM;
 XX
 DR WPI; 2002-574454/61.
 DR N-PSDB; AAD44870.

PT New nucleic acid molecules encoding 28 human secreted proteins, useful
 for diagnosing, preventing, treating or ameliorating medical conditions
 and as food additives or preservatives.

PS Claim 11; Page 181-182; 209pp; English.

XX
 CC AAD44854-AAD44984 represent cDNAs corresponding to 28 human secreted
 CC protein genes, and AAE27097-AAE27137 represent the proteins they encode.
 CC AAE27118-AAE27164 represent human secreted protein fragments. The genes
 CC and their corresponding secreted proteins are useful for preventing,
 CC treating or ameliorating medical conditions, e.g., by protein or gene
 CC therapy. Secreted protein sequences of the invention are useful for the
 CC diagnosis or treatment of disorders such as autoimmune diseases (e.g.
 CC rheumatoid arthritis), hyperproliferative disorders (e.g. neoplasms of
 CC the breast or liver), cerebrovascular disorders (e.g. cerebral ischaemia,
 CC angiogenesis), cardiovascular disorders (e.g. cardiac arrest), nervous
 CC system disorders (e.g. Alzheimer's disease), infections caused by fungi,
 CC bacteria and viruses and ocular disorders (e.g. corneal infection). The
 CC polypeptides can also be used to aid wound healing and epithelial cell
 CC proliferation, to prevent skin aging due to sunburn, to maintain organs
 CC before transplantation, for supporting cell culture of primary tissues,
 CC to regenerate tissues and in chemotaxis. They can also be used as food
 CC additives or preservative to increase or decrease storage capabilities,
 CC fat content, lipid, protein, carbohydrate, vitamins, minerals, cofactors
 CC and other nutritional components. The present sequence represents a human
 CC secreted protein of the invention

XX Sequence 121 AA;

Query Match 100.0%; Score 121; DB 5; Length 121;
 Best Local Similarity 100.0%; Pred. No. 1,1e-111;
 Matches 121; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTAILAFSLAOSFGAVCKEPOBEVVPGGGSRKRPDLYQLQRLFKSHSIEGL 60
 DB 1 MRIMLFTAILAFSLAOSFGAVCKEPOBEVVPGGGSRKRPDLYQLQRLFKSHSIEGL 60
 QY 61 LKALSQASTDPKESTSEPKRDMHDFVGLMGKRSVQDPSPTDVQENVPSFGILKYPRA 120
 DB 61 LKALSQASTDPKESTSEPKRDMHDFVGLMGKRSVQDPSPTDVQENVPSFGILKYPRA 120
 QY 121 E 121
 DB 121 E 121

RESULT 7

ABU64986
 ID ABU64986 standard; protein; 121 AA.

XX ABU64986;

AC 15-MAY-2003 (first entry)

DT Human secreted protein gene 17, protein #1.

XX Secreted protein; immunodeficiency; multiple sclerosis;
KW severe combined immunodeficiency; autoimmune disorder; cancer;
KW rheumatoid arthritis; diabetes mellitus; haematopoietic disorder;
KW inflammatory condition; septic shock; inflammatory bowel disease;
KW Crohn's disease; respiratory disorder; asthma; allergy; stroke;
KW gastrointestinal disorder; central nervous system disorder;
KW ischemic brain injury; neurodegenerative disorder; Parkinson's disease;
KW Alzheimer's disease; cardiovascular disorder; atherosclerosis;
KW blood-related disorder; thrombosis; atherosclerosis; renal disorder;
KW hyperproliferative disorder; acute glomerulonephritis; Addison's disease;
KW endocrine disorder; liver disease; reproductive system disorder;
KW endometriosis; infectious disease; pancreatic disorder; vaccine;
KW wound repair; angiogenesis; lymphatic disorder; hair loss; body weight;
KW body height; hair colour; human.
XX Homo sapiens.
OS
XX
XX US2002172994-A1.
XX
XX 21-NOV-2002.
XX
XX 11-MAY-2001; 2001US-00852797.
XX
XX 14-MAR-1997; 97US-0040710P.
XX 14-MAR-1997; 97US-0040762P.
XX 30-MAY-1997; 97US-0048100P.
XX 30-MAY-1997; 97US-0048189P.
XX 30-MAY-1997; 97US-0048357P.
XX 30-MAY-1997; 97US-0050934P.
XX 06-JUN-1997; 97US-0048970P.
XX 05-SEP-1997; 97US-0057765P.
XX 19-DEC-1997; 97US-0068368P.
XX 12-MAR-1998; 98MO-US004858.
XX 11-SEP-1998; 98US-00152060.
XX 02-FEB-2001; 2001US-0265583P.
XX
XX (RUBE/) RUBEN S M.
XX (ROSE/) ROSEN C A.
XX (LIYY/) LI Y.
XX (ZENG/) ZENG Z.
XX (KYAW/) KYAW H.
XX (FISC/) FISCHER C L.
XX (LIHH/) LI H.
XX (SOPP/) SOPPET D R.
XX (GENT/) GENTZ R L.
XX (WEIY/) WEI Y.
XX (MOOR/) MOORE P A.
XX (YOUN/) YOUNG P E.
XX (GREE/) GREENE J M.
XX (FERR/) FERRIE A M.
XX
XX Ruben SM, Rosen CA, Li Y, Zeng Z, Kyaw H, Fischer CL, Li H,
XX Soppet DR, Gentz RL, Wei Y, Moore PA, Young PE, Greene JM,
XX Ferrie AM;
XX
XX WPI: 2003-310969/30.
XX N-PSDB; ABX96982.
XX
XX New human secreted polypeptides and polynucleotides for diagnosing,
XX prognosing, preventing and treating immune, hyperproliferative, liver,
XX kidney, reproductive disorders and for identifying modulators of
XX therapeutic use.
XX
XX Claim 11; Page 181; 209pp; English.
XX
XX The invention relates to an isolated polypeptide comprising an amino acid
XX sequence at least 9% identical to sequence of 28 human secreted
XX proteins, their fragment, polypeptide domain, epitope, secreted form,
XX variant, allelic variant, or species homologue, or the encoded sequence
XX included in ATCC 97921 and 97922. Also included are the encoding nucleic
XX acids, recombinant vectors, host cells, antibodies, and genes. The
XX proteins and nucleic acids are useful for diagnosing, preventing,

CC treating, prognosing or ameliorating a medical condition e.g.
CC immunodeficiencies (e.g. X-linked agammaglobulinemia, B cell
CC immunodeficiencies, severe combined immunodeficiencies), autoimmune
CC disorders (e.g. systemic erythematosis, rheumatoid arthritis, multiple
CC sclerosis, autoimmune thyroiditis, autoimmune haemolytic anaemia,
CC Goodpasture's syndrome, Grave's disease, diabetes mellitus, dermatitis),
CC haematopoietic disorders, inflammatory conditions (e.g. septic shock,
CC sepsis, reperfusion injury, inflammatory bowel disease, Crohn's disease),
CC respiratory disorders (e.g. asthma and allergy), gastrointestinal
CC disorders, cancers (e.g. gastric, ovarian, lung, bladder, liver and
CC breast), central nervous system (CNS) disorders (e.g. ischemic brain
CC injury and/or stroke, traumatic brain injury), neurodegenerative
CC disorders (e.g. Parkinson's disease and Alzheimer's disease, AIDS-related
CC dementia, and prion disease), cardiovascular disorders (e.g.
CC atherosclerosis, myocarditis, cardiovascular disease, and cardiopulmonary
CC bypass complications), inflammation (e.g. hepatitis, gout, trauma,
CC pancreatitis, sarcoidosis, dermatitis, allogenic transplant rejection),
CC blood-related disorders (thrombosis, arterial thrombosis),
CC hyperproliferative disorders, renal disorders (e.g. acute
CC glomerulonephritis), endocrine disorders (e.g. Addison's disease,
CC hyperthyroidism, hyperpituitarism), liver diseases and disorders,
CC reproductive system disorders (e.g. endometriosis), infectious diseases,
CC and pancreatic disorders. Many other diseases and disorders are listed in
CC the specification. They also useful as a vaccine adjuvant. Further they
CC are useful to enhance or inhibit complement mediated cell lysis, for
CC stimulating wound and tissue repair, angiogenesis, and the repair of
CC vascular or lymphatic diseases or disorders. They are also useful to
CC prevent hair loss, to modulate mammalian characteristics such as body
CC height, weight, hair colour, and to increase or decrease storage
CC capabilities, fat content, lipid, protein, carbohydrate, vitamins,
CC minerals, cofactors or other nutritional components. The proteins are
CC also useful for identifying binding partners. The present sequence
CC represents a secreted protein of the invention
XX
XX SQ
XX
XX Sequence 121 AA;
XX
XX Query Match 100.0%; Score 121; DB 6; Length 121;
XX Best Local Similarity 100.0%; Pred. No. 1,1e-111;
XX Matches 121; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 1 MRIMLFTAILAFSLAAGFGAVCKEPOEEVVGSGRSKRDDLYQLQLRFLKSHSLLEG 60
XX DB 1 MRIMLFTAILAFSLAAGFGAVCKEPOEEVVGSGRSKRDDLYQLQLRFLKSHSLLEG 60
XX QY 61 LKATSOASTDPKRESPKSRMDHFFVGLMGRSVOPSPFTDVQENVPFGILKYPPRA 120
XX DB 61 LKATSOASTDPKRESPKSRMDHFFVGLMGRSVOPSPFTDVQENVPFGILKYPPRA 120
XX QY 121 E 121
XX DB 121 E 121
XX
XX RESULT 8
XX ABB11878
XX ID ABB11878 standard; peptide; 137 AA.
XX
XX ABB11878;
XX
XX 11-JAN-2002 (first entry)
XX
XX Human neurokinin B-like protein homologue, SEQ ID NO:2248.
XX
XX Human; cytokine; cell proliferation; cell differentiation; growth factor;
XX haematopoiesis regulation; tissue growth; immunomodulator; activin;
XX inhibin; chemotaxis; chemokinesis; thrombolysis; oncogenesis;
XX proliferation; metastasis; cancer; tumour; haematopoietic disorder;
XX myeloid cell disorder; lymphoid cell disorder; asthma; arthritis;
XX chronic inflammatory condition; proliferative retinopathy;
KW atherosclerosis; coronary heart disease; arterial ischaemia;
KW bone disorder; osteoporosis; vascular growth disorder;
KW tissue regeneration; wound healing; infection; immune disorder;
KW cell culture; drug screening; gene therapy; antiinflammatory;

XX antiasthmatic; antiarthritic; haemostatic; antiarteriosclerotic;
 XX cytoskeletal; osteopathic; vasotropic; cardiant; vitruclide; antibacterial;
 XX antifungal; vulnery; antitumor.
 OS Homo sapiens.
 XX WO200157186-A2.
 XX 09-AUG-2001.
 XX 05-FEB-2001; 2001WO-US003800.
 XX 03-FEB-2000; 2000US-00496914.
 XX 27-APR-2000; 2000US-00560875.
 XX (HYSE-) HYSEQ INC.
 XX Tang YT, Liu C, Drmanac RT;
 XX WPI: 2001-457740/49.
 XX N-PSDB; ABA09122.
 XX Human proteins and DNA encoding sequences useful for preventing, treating
 PT or ameliorating a medical condition in a mammalian subject e.g. arthritis
 PT and cancer.
 XX Claim 20; Page 270; 1963pp; English.
 XX Sequences ABA10981-AB12330 represent 1350 novel human polypeptides, and
 CC sequences ABA08225-ABA09574 represent nucleic acids encoding them. The
 CC invention also relates to vectors and recombinant host cells comprising a
 CC nucleotide of the invention, methods of producing the novel polypeptides,
 CC antibodies against the polypeptides, methods of detecting the nucleotides
 CC or polypeptides in a sample, and methods of identifying compounds which
 CC bind to polypeptides of the invention. Although novel, many of the
 CC polypeptides of the invention have homology to known proteins, thereby
 CC giving an insight into their probable biological activities, and hence
 CC potential therapeutic applications. The polypeptides of the invention may
 CC have various activities, including cytokine, cell proliferation or cell
 CC differentiation activities; stem cell growth factor activity;
 CC haematopoiesis regulatory activity; tissue growth activity;
 CC immunomodulatory activity; activin- or inhibin-related activities;
 CC chemotactic or chemokinetic activities; haemostatic, thrombotic or
 CC thrombolytic activities; receptor or ligand activities; or may be
 CC involved in oncogenesis, cancer cell proliferation or metastasis.
 CC Depending on their biological activities, polypeptides and nucleotides of
 CC the invention are useful for preventing, treating or ameliorating medical
 CC conditions, e.g., by protein or gene therapy. Such conditions include
 CC cancers, haematopoietic disorders (e.g., myeloid or lymphoid cell
 CC disorders), chronic inflammatory conditions (e.g., asthma or arthritis),
 CC proliferative retinopathy, atherosclerosis, coronary heart disease,
 CC arterial ischaemia, bone disorders (e.g., osteoporosis), and abnormal
 CC vascular growth. Polypeptides involved with tissue regeneration and
 CC repair (or nucleic acids encoding them) may be used to promote wound
 CC healing (e.g., of burns, incisions and ulcers), while those with
 CC immunomodulatory activities may be used in the treatment of viral,
 CC bacterial and fungal infections in addition to immune disorders.
 CC Polypeptides with growth factor activity may be used in cell cultures to
 CC promote cell growth. For example, such polypeptides may be used to
 CC manipulate stem cells in culture to give rise to neuroepithelial cells
 CC that can be used to augment or replace cells damaged by illness,
 CC autoimmune disease or accidental damage. The polypeptides and nucleotides
 CC may also be used in the diagnosis of the above conditions, and in drug
 CC screening techniques. The present sequence represents a novel human
 CC polypeptide of the invention
 XX
 XX Sequence 137 AA;
 SQ

Query Match 100.0%; Score 121; DB 4; Length 137;
 Best Local Similarity 100.0%; Pred. No. 1.3e-111;
 Matches 121; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 MRMILFTALIAFSLAQSFGAVCKEPOEEVWPGGRRSRKDDIVQLGRLFKSHSLSEGL 60

Db 17 MRMILFTALIAFSLAQSFGAVCKEPOEEVWPGGRRSRKDDIVQLGRLFKSHSLSEGL 76
 QY 61 LKALSQASNDPKESISPERKDMHDFVGLMGKRSVQPSPTDVNQENVPSSGILKYPRA 120
 Db 77 LKALSQASNDPKESISPERKDMHDFVGLMGKRSVQPSPTDVNQENVPSSGILKYPRA 136
 QY 121 E 121
 Db 137 E 137

RESULT 9
 AAM96144
 ID AAM96144 standard; protein; 122 AA.
 XX
 XX AAM96144;
 XX
 XX 27-APR-1999 (first entry)
 XX
 XX Human preprotachykinin B.
 XX
 XX Preprotachykinin B; PPT-B; neoplastic disorder; neurological disorder;
 XX Alzheimer's disease; amnesia; cerebral neoplasms; dementia; depression;
 XX Down's syndrome; Huntington's disease; multiple sclerosis;
 XX Parkinson's disease; paranoid psychoses; schizophrenia;
 XX Tourette's disorder; angina; anaphylactic shock; asthma;
 XX cardiovascular shock; myocardial infarction; migraine.
 XX
 XX Homo sapiens.
 XX
 XX
 XX Key Location/Qualifiers
 FH Misc-difference 104
 FT //label= Leu, Ser or Trp
 FT
 XX WO9857986-A2.
 XX 23-DEC-1998.
 XX
 XX 19-JUN-1998; 98WO-US012855.
 XX
 XX 19-JUN-1997; 97US-00879995.
 XX
 XX (INCY-) INCYTE PHARM INC.
 XX
 XX Hillman JD, Lal P, Kaser MR;
 XX WPI: 1999-080948/07.
 XX N-PSDB; AAX08906.
 XX
 XX New human preprotachykinin B - useful for treating neurological disorders
 PT and cancer.
 XX
 XX Claim 1; Page 48-49; 57pp; English.
 XX
 XX Human preprotachykinin B (PPT-B) can be used to treat a neurological
 CC disorder. Antagonists of PPT-B can also be used in the treatment of
 CC neoplastic disorders. Particular neurological disorders include
 CC akathisia, Alzheimer's disease, amnesia, amyotrophic lateral sclerosis,
 CC bipolar disorder, cataplexy, cerebral neoplasms, dementia, depression,
 CC Down's syndrome, tardive dyskinesia, dystonias, Huntington's disease,
 CC multiple sclerosis, neurofibromatosis, Parkinson's disease, paranoid
 CC psychoses, schizophrenia, and Tourette's disorder. PPT-B or its agonist
 CC can also be used to treat angina, anaphylactic shock, arrhythmias,
 CC asthma, cardiovascular shock, Cushing's syndrome, hypertension,
 CC hypoglycemia, myocardial infarction, migraine and pheochromocytoma
 XX
 XX Sequence 122 AA;
 SQ

Query Match 83.5%; Score 101; DB 2; Length 122;
 Best Local Similarity 100.0%; Pred. No. 7.4e-92;
 Matches 101; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTAILAFSLASFGAVCKEPOEEVYGGGRSKRDPDLVOLQRLFKSHSLEGL 60
Db 1 MRIMLFTAILAFSLASFGAVCKEPOEEVYGGGRSKRDPDLVOLQRLFKSHSLEGL 60
QY 61 LKALSQASTDPKESTSPKRDMDHDFVGLMGKRSYQPSDPT 101
Db 61 LKALSQASTDPKESTSPKRDMDHDFVGLMGKRSYQPSDPT 101
RESULT 10
AA56739 standard; protein; 135 AA.
ID AA56739 standard; protein; 135 AA.
XX AA56739;
AC AA56739;
DT 05-APR-2000 (first entry)
XX
XX Membrane-bound protein PRO1155.
DE Membrane-bound protein PRO1155.
XX
XX Membrane-bound polypeptide; PRO polypeptide; LDL receptor; TIE ligand;
KW pharmaceutical; receptor immunoadhesin; gene mapping.
XX
XX Homo sapiens.
XX
XX W09963088-A2.
PD 09-DEC-1999.
XX
XX 02-JUN-1999; 99WO-US012252.
PF
XX
XX 02-JUN-1998; 98US-0087607P.
PR 02-JUN-1998; 98US-0087609P.
PR 02-JUN-1998; 98US-0087759P.
PR 03-JUN-1998; 98US-0087827P.
PR 04-JUN-1998; 98US-0088021P.
PR 04-JUN-1998; 98US-0088025P.
PR 04-JUN-1998; 98US-0088028P.
PR 04-JUN-1998; 98US-0088029P.
PR 04-JUN-1998; 98US-0088030P.
PR 04-JUN-1998; 98US-0088033P.
PR 04-JUN-1998; 98US-0088326P.
PR 05-JUN-1998; 98US-0088167P.
PR 05-JUN-1998; 98US-0088202P.
PR 05-JUN-1998; 98US-0088212P.
PR 05-JUN-1998; 98US-0088217P.
PR 09-JUN-1998; 98US-0088655P.
PR 10-JUN-1998; 98US-0088722P.
PR 10-JUN-1998; 98US-0088730P.
PR 10-JUN-1998; 98US-0088734P.
PR 10-JUN-1998; 98US-0088738P.
PR 10-JUN-1998; 98US-0088740P.
PR 10-JUN-1998; 98US-0088741P.
PR 10-JUN-1998; 98US-0088742P.
PR 10-JUN-1998; 98US-0088810P.
PR 10-JUN-1998; 98US-0088811P.
PR 10-JUN-1998; 98US-0088824P.
PR 10-JUN-1998; 98US-0088825P.
PR 10-JUN-1998; 98US-0088826P.
PR 11-JUN-1998; 98US-0088858P.
PR 11-JUN-1998; 98US-0088861P.
PR 11-JUN-1998; 98US-0088863P.
PR 11-JUN-1998; 98US-0088867P.
PR 12-JUN-1998; 98US-0089090P.
PR 12-JUN-1998; 98US-0089105P.
PR 16-JUN-1998; 98US-0089440P.
PR 16-JUN-1998; 98US-0089512P.
PR 16-JUN-1998; 98US-0089514P.
PR 17-JUN-1998; 98US-0089532P.
PR 17-JUN-1998; 98US-0089538P.
PR 17-JUN-1998; 98US-0089598P.
PR 17-JUN-1998; 98US-0089600P.
PR 17-JUN-1998; 98US-0089653P.
PR 17-JUN-1998; 98US-0089657P.
PR 17-JUN-1998; 98US-0089666P.
PR 17-AUG-1998; 98US-0096773P.
PR 17-AUG-1998; 98US-0096791P.
PR 17-AUG-1998; 98US-0096867P.
PR 17-AUG-1998; 98US-0096891P.
PR 17-AUG-1998; 98US-0096894P.
PR 17-AUG-1998; 98US-0096895P.
PR 17-AUG-1998; 98US-0096897P.
PR 18-AUG-1998; 98US-0096949P.

PR 18-JUN-1998; 98US-0089801P.
PR 18-JUN-1998; 98US-0089807P.
PR 18-JUN-1998; 98US-0089908P.
PR 19-JUN-1998; 98US-0089947P.
PR 19-JUN-1998; 98US-0089948P.
PR 19-JUN-1998; 98US-0089952P.
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PR 22-JUN-1998; 98US-0090254P.
PR 23-JUN-1998; 98US-0090349P.
PR 23-JUN-1998; 98US-0090355P.
PR 24-JUN-1998; 98US-0090429P.
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PR 24-JUN-1998; 98US-0090557P.
PR 25-JUN-1998; 98US-0090676P.
PR 25-JUN-1998; 98US-0090678P.
PR 25-JUN-1998; 98US-0090688P.
PR 25-JUN-1998; 98US-0090690P.
PR 25-JUN-1998; 98US-0090691P.
PR 25-JUN-1998; 98US-0090694P.
PR 25-JUN-1998; 98US-0090695P.
PR 25-JUN-1998; 98US-0090696P.
PR 26-JUN-1998; 98US-0090862P.
PR 26-JUN-1998; 98US-0090863P.
PR 01-JUL-1998; 98US-0091358P.
PR 01-JUL-1998; 98US-0091360P.
PR 02-JUL-1998; 98US-0091478P.
PR 02-JUL-1998; 98US-0091486P.
PR 02-JUL-1998; 98US-0091519P.
PR 02-JUL-1998; 98US-0091544P.
PR 02-JUL-1998; 98US-0091626P.
PR 02-JUL-1998; 98US-0091628P.
PR 02-JUL-1998; 98US-0091633P.
PR 02-JUL-1998; 98US-0091646P.
PR 02-JUL-1998; 98US-0091673P.
PR 07-JUL-1998; 98US-0091878P.
PR 07-JUL-1998; 98US-0091882P.
PR 09-JUL-1998; 98US-0092182P.
PR 10-JUL-1998; 98US-0092472P.
PR 10-JUL-1998; 98US-0093339P.
PR 30-JUL-1998; 98US-0094651P.
PR 04-AUG-1998; 98US-0095282P.
PR 04-AUG-1998; 98US-0095285P.
PR 04-AUG-1998; 98US-0095301P.
PR 04-AUG-1998; 98US-0095302P.
PR 04-AUG-1998; 98US-0095318P.
PR 04-AUG-1998; 98US-0095321P.
PR 04-AUG-1998; 98US-0095325P.
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PR 10-AUG-1998; 98US-0095929P.
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PR 11-AUG-1998; 98US-0096143P.
PR 11-AUG-1998; 98US-0096146P.
PR 12-AUG-1998; 98US-0096329P.
PR 17-AUG-1998; 98US-0096757P.
PR 17-AUG-1998; 98US-0096766P.
PR 17-AUG-1998; 98US-0096768P.
PR 17-AUG-1998; 98US-0096773P.
PR 17-AUG-1998; 98US-0096791P.
PR 17-AUG-1998; 98US-0096867P.
PR 17-AUG-1998; 98US-0096891P.
PR 17-AUG-1998; 98US-0096894P.
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PR 17-AUG-1998; 98US-0096897P.
PR 18-AUG-1998; 98US-0096949P.

PR 18-AUG-1998; 98US-0096950P.
PR 18-AUG-1998; 98US-0096959P.
PR 18-AUG-1998; 98US-0096960P.
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PR 20-AUG-1998; 98US-0097218P.
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PR 26-AUG-1998; 98US-0097971P.
PR 26-AUG-1998; 98US-0097974P.
PR 26-AUG-1998; 98US-0097979P.
PR 26-AUG-1998; 98US-0097986P.
PR 26-AUG-1998; 98US-0098014P.
PR 31-AUG-1998; 98US-0098525P.
PR 16-SEP-1998; 98US-0106534P.
PR 12-JAN-1999; 99US-0115565P.
XX (GETH) GENENTECH INC.
XX Baker K, Chen J, Goddard A, Gurney AL, Smith V, Watanabe CK;
PI Wood WI, Yuan J;
XX WPI: 2000-072883/06.
DR N-PSDB; AAC65085.
XX Membrane-bound proteins and related nucleotide sequences.
PS Claim 12; Fig 254; 822pp; English.
XX The invention provides membrane-bound PRO polypeptides and
CC polynucleotides encoding them. The PRO sequences of the invention were
CC identified based on extracellular domain homology screening. The PRO
CC sequences have homology with proteins including LDL receptors, TIE
CC ligands and various enzymes. The membrane-bound proteins and receptor
CC molecules are useful as pharmaceutical and diagnostic agents. Receptor
CC immunoadhesins, for instance, can be used as therapeutic agents to block
CC receptor-ligand interactions. The membrane-bound proteins can also be
CC employed for screening of potential peptide or small molecule inhibitors
CC of the relevant receptor/ligand interaction. The PRO encoding sequences
CC are useful as hybridization probes, in chromosome and gene mapping and in
CC the generation of antisense RNA and DNA. PRO nucleic acid sequences will
CC also be useful for the preparation of PRO polypeptides, especially by
CC recombinant techniques
XX
SQ Sequence 135 AA;
Query Match 80.2%; Score 97; DB 3; Length 135;
Best Local Similarity 100.0%; Pred. No. 7,4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MRIMLFTILAFSLAQSGAVCKEPEQEVFPGGGRKRDPLLYOLLQRLFKSHSLLEGL 60
DB 1 MRIMLFTILAFSLAQSGAVCKEPEQEVFPGGGRKRDPLLYOLLQRLFKSHSLLEGL 60
QY 61 LKALSOASTDPKXSTSPKXDMHDFVGLMGKRSVOP 97
DB 61 LKALSOASTDPKXSTSPKXDMHDFVGLMGKRSVOP 97
RESULT 11
AAB33445
ID AAB33445 standard; protein; 135 AA.
XX
AC AAB33445;
XX
DT 29-JAN-2001 (first entry)
XX
DE Human PRO1155 protein UNQ585 SEQ ID NO:157.
XX

KW Human; immune related disease; diagnosis; antiinflammatory; cardiant;
KW dermatological; antiarthritic; antirheumatic; immunosuppressive;
KW haemostatic; antithyroid; antidiabetic; neurotropic; neuroprotective;
KW antianaemic; hepatotropic; virucide; antiparasitic; antiallergic;
KW antiepileptic; systemic lupus erythematosus; rheumatoid arthritis;
KW osteoarthritis; spondyloarthropathy; systemic sclerosis; sarcoidosis;
KW idiopathic inflammatory myopathy; Sjogren's syndrome; thyroiditis;
KW systemic vasculitis; autoimmune haemolytic anaemia; diabetes mellitus;
KW autoimmune thrombocytopenia; immune-mediated renal disease;
KW demyelinating disease; hepatobiliary disease; Whipple's disease;
KW inflammatory bowel disease; gluten-sensitive enteropathy;
KW autoimmune disease; immune-mediated skin disease; allergic disease;
KW immunological disease; transplantation associated disease;
KW graft rejection; graft-versus-host-disease.
XX
XX Homo sapiens.
OS
XX W0200053758-A2.
XX
XX 14-SEP-2000.
XX
XX 02-MAR-2000; 2000WO-US005841.
XX
XX 08-MAR-1999; 99WO-US005028.
XX 10-MAR-1999; 99US-0123618P.
XX 12-MAR-1999; 99US-0123957P.
XX 23-MAR-1999; 99US-0125775P.
XX 12-APR-1999; 99US-0128849P.
XX 20-APR-1999; 99WO-US008615.
XX 28-APR-1999; 99US-0131445P.
XX 04-MAY-1999; 99US-0134287P.
XX 14-MAY-1999; 99WO-US012252.
XX 02-JUN-1999; 99US-0141037P.
XX 23-JUN-1999; 99US-0144758P.
XX 20-JUL-1999; 99US-0145638P.
XX 26-JUL-1999; 99US-0146222P.
XX 28-JUL-1999; 99US-0146222P.
XX 01-SEP-1999; 99WO-US020111.
XX 08-SEP-1999; 99WO-US020594.
XX 13-SEP-1999; 99WO-US020944.
XX 15-SEP-1999; 99WO-US021090.
XX 15-SEP-1999; 99WO-US021547.
XX 05-OCT-1999; 99WO-US023089.
XX 29-OCT-1999; 99US-0162506P.
XX 29-NOV-1999; 99WO-US028214.
XX 30-NOV-1999; 99WO-US028313.
XX 30-NOV-1999; 99WO-US028409.
XX 01-DEC-1999; 99WO-US028301.
XX 01-DEC-1999; 99WO-US028634.
XX 02-DEC-1999; 99WO-US028851.
XX 02-DEC-1999; 99WO-US028864.
XX 02-DEC-1999; 99WO-US028865.
XX 16-DEC-1999; 99WO-US030095.
XX 20-DEC-1999; 99WO-US030999.
XX 30-DEC-1999; 99WO-US031274.
XX 05-JAN-2000; 2000WO-US000219.
XX 06-JAN-2000; 2000WO-US000277.
XX 06-JAN-2000; 2000WO-US000376.
XX 11-FEB-2000; 2000WO-US003565.
XX 18-FEB-2000; 2000WO-US004341.
XX 18-FEB-2000; 2000WO-US004342.
XX 22-FEB-2000; 2000WO-US004414.
XX
XX (GETH) GENENTECH INC.
XX Ashkenazi AJ, Baker KP, Goddard A, Gurney AL, Hebert C, Henzel W,
XX Kadakoff RC, Lu Y, Pan J, Pennica D, Shelton DU, Smith V,
XX Stewart TA, Tumas D, Watanabe CK, Wood WI, Yan M,
XX WPI: 2000-572271/53.
XX N-PSDB; AAC58610.
XX
XX Sixty four PRO polypeptides, useful in the diagnosis and treatment of

PT immune related disorders, e.g. systemic lupus erythematosus, rheumatoid
PT arthritis, osteoarthritis, thyroiditis and diabetes mellitus.
XX
PS Claim 33; Fig 64; 309pp; English.
XX
CC The present invention describes sixty four human PRO proteins which can
CC be used in the treatment of immune related diseases. The human PRO
CC proteins, anti-PRO antibodies, agonists and antagonists are useful for
CC treating and diagnosing immune related disorders. The disorders are
CC selected from systemic lupus erythematosus, rheumatoid arthritis,
CC osteoarthritis, juvenile chronic arthritis, spondyloarthritis,
CC systemic sclerosis, idiopathic inflammatory myopathies, Sjogren's
CC syndrome, systemic vasculitis, sarcoidosis, autoimmune haemolytic
CC anaemia, autoimmune thrombocytopenia, thyroiditis, diabetes mellitus,
CC immune-mediated renal disease, demyelinating diseases of the central and
CC peripheral nervous systems, hepatobiliary diseases, inflammatory bowel
CC disease, gluten-sensitive enteropathy and Whipple's disease, autoimmune
CC or immune-mediated skin diseases, allergic diseases, immunological
CC diseases of the lung, and transplantation associated diseases including
CC graft rejection and graft-versus-host-disease. AAC58397 to AAC58578
CC represent PCR primers and hybridisation probes used in the isolation of
CC human PRO sequences. AAC58579 to AAC58642 and AAB33414 to AAB33477
CC represent human PRO polynucleotide and protein sequences given in the
CC exemplification of the present invention
XX
SQ Sequence 135 AA;

Query Match 80.2%; Score 97; DB 3; Length 135;
Best Local Similarity 100.0%; Pred. No. 7.4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTAILAFSLAOSFGAVCKEPOEEVVPGGGSRKDPDLYQLLRFKSHSLLEG 60
DB 1 MRIMLFTAILAFSLAOSFGAVCKEPOEEVVPGGGSRKDPDLYQLLRFKSHSLLEG 60

QY 61 LKALSOASTDPKESTSPKEDMDHDFVGLMGKRSYOP 97
DB 61 LKALSOASTDPKESTSPKEDMDHDFVGLMGKRSYOP 97

RESUR 12
AAU29245
ID AAU29245 standard; protein; 135 AA.
XX
AC AAU29245;
XX
DT 18-DEC-2001 (first entry)
XX
DE Human PRO polypeptide sequence #222.
XX
KM PRO polypeptide; mammal; tumour; cancer; human; cattle; horse; sheep;
KM dog; cat; pig; goat; rabbit; tumour necrosis factor alpha; TNF-alpha;
KM blood; chondrocyte cell; cell proliferation; cell differentiation; colon;
KM adrenal; lung; breast; prostate; rectum; cervix; liver; genetic disorder.
XX
OS Homo sapiens.
XX
PN WO200168848-A2.
XX
PD 20-SEP-2001.
XX
PF 28-FEB-2001; 2001WO-US006520.
XX
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005841.
PR 03-MAR-2000; 2000US-0187202P.
PR 06-MAR-2000; 2000US-0186368P.
PR 14-MAR-2000; 2000US-0189320P.
PR 14-MAR-2000; 2000US-0189328P.
PR 15-MAR-2000; 2000WO-US006884.
PR 21-MAR-2000; 2000US-0190828P.
PR 21-MAR-2000; 2000US-0191007P.
PR 21-MAR-2000; 2000US-0191048P.

PR 21-MAR-2000; 2000US-0191314P.
PR 26-MAR-2000; 2000US-0192655P.
PR 29-MAR-2000; 2000US-0193032P.
PR 29-MAR-2000; 2000US-0193033P.
PR 30-MAR-2000; 2000WO-US008439.
PR 04-APR-2000; 2000US-0194449P.
PR 04-APR-2000; 2000US-0194647P.
PR 11-APR-2000; 2000US-0195975P.
PR 11-APR-2000; 2000US-0196000P.
PR 11-APR-2000; 2000US-0196187P.
PR 11-APR-2000; 2000US-0196630P.
PR 11-APR-2000; 2000US-0196820P.
PR 18-APR-2000; 2000US-0198121P.
PR 18-APR-2000; 2000US-0198585P.
PR 25-APR-2000; 2000US-0199397P.
PR 25-APR-2000; 2000US-0199550P.
PR 25-APR-2000; 2000US-0199654P.
PR 03-MAY-2000; 2000US-0201516P.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 05-JUN-2000; 2000US-0209832P.
PR 28-JUL-2000; 2000WO-US020710.
PR 22-AUG-2000; 2000US-0064468.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000WO-US034956.
XX
XX (GENTH) GENENTECH INC.
XX Baker KP, Chen J, Desnoyers L, Goddard A, Gołowski PJ, Gurney AL;
XX Pan Y, Smith V, Watanabe CK, Wood WI, Zhang Z;
XX
XX WPI: 2001-602746/68.
XX DR N-PSDB; AAS46146.
XX
XX Novel nucleic acids encoding PRO polypeptides, used to diagnose the
XX presence of tumors, such as prostate and breast tumors, in mammals and to
XX screen for modulators of the compounds.
XX
XX Claim 11; Fig 444; 774pp; English.
XX
XX Sequences AAU29024-AAU29328 represent PRO polypeptides of the invention.
XX The PRO polypeptides and their associated nucleic acids can be used to
XX detect the presence of a tumour in a mammal by comparing the level of
XX expression of a PRO polypeptide in a test sample of cells from the animal
XX and a control sample of normal cells, whereby a higher level of
XX expression in the test sample indicates the presence of a tumour in the
XX mammal. Mammals include dogs, cats, cattle, horses, sheep, goats
XX and rabbits but are preferably human. The polypeptides can be used to
XX stimulate tumour necrosis factor (TNF) alpha release from human blood,
XX when contacted with it. A specific polypeptide can be used to stimulate
XX the proliferation or differentiation of chondrocyte cells. The PRO
XX proteins can be used to determine the presence of tumours and also
XX susceptibility to tumour development, particularly adrenal, lung, colon,
XX breast, prostate, rectal, cervical, or liver tumours, in mammalian
XX subjects. The oligonucleotide probes specific for the PRO nucleic acids
XX can be used for genetic analysis of individuals with genetic disorders
XX
SQ Sequence 135 AA;

Query Match 80.2%; Score 97; DB 4; Length 135;
Best Local Similarity 100.0%; Pred. No. 7.4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTAILAFSLAOSFGAVCKEPOEEVVPGGGSRKDPDLYQLLRFKSHSLLEG 60
DB 1 MRIMLFTAILAFSLAOSFGAVCKEPOEEVVPGGGSRKDPDLYQLLRFKSHSLLEG 60

QY 61 LKALSOASTDPKESTSPKEDMDHDFVGLMGKRSYOP 97
DB 61 LKALSOASTDPKESTSPKEDMDHDFVGLMGKRSYOP 97

Db 61 LKALSQASTDPKKESTPEKRDMDHDFVGLMGKRSVQP 97

RESULT 13

AA865262

ID AAB65262 standard; protein; 135 AA.

XX

AC AAB65262;

XX

DT 02-APR-2001 (first entry)

XX

DE Human PRO1155 (UNQ585) protein sequence SEQ ID NO:359.

XX

KM Human; secreted and transmembrane protein; PRO; cytosolic; cell death;

KM cancer; chromosomal mapping; gene mapping; tissue typing;

XX

OS diagnostic assay.

OS

XX Homo sapiens.

XX

PN WO200073454-A1.

XX

PD 07-DEC-2000.

XX

PF 30-MAR-2000; 2000WO-US008439.

XX

PR 02-JUN-1999; 99WO-US012252.

PR 23-JUN-1999; 99US-0141037P.

PR 07-JUL-1999; 99US-0143048P.

PR 20-JUL-1999; 99US-0144758P.

PR 26-JUL-1999; 99US-0145698P.

PR 28-JUL-1999; 99US-0146222P.

PR 17-AUG-1999; 99US-0149396P.

PR 15-SEP-1999; 99WO-US021090.

PR 15-SEP-1999; 99WO-US021547.

PR 08-OCT-1999; 99US-0158663P.

PR 30-NOV-1999; 99WO-US028313.

PR 01-DEC-1999; 99WO-US028301.

PR 16-DEC-1999; 99WO-US030095.

PR 20-DEC-1999; 99WO-US030911.

PR 05-JAN-2000; 2000WO-US000219.

PR 06-JAN-2000; 2000WO-US000376.

PR 11-FEB-2000; 2000WO-US003565.

PR 18-FEB-2000; 2000WO-US004341.

PR 22-FEB-2000; 2000WO-US004414.

PR 24-FEB-2000; 2000WO-US004914.

PR 02-MAR-2000; 2000WO-US005004.

PR 02-MAR-2000; 2000WO-US005841.

PR 15-MAR-2000; 2000WO-US006884.

PR 20-MAR-2000; 2000WO-US007377.

XX

XX (GETH) GENENTECH INC.

PA

XX

PI Ashkenazi AJ, Baker KP, Botstein D, Desnovers L, Eaton DL;

PI Ferrara N, Fong S, Gerder H, Gerritsen ME, Goddard A, Godowski PJ;

PI Grimaldi CJ, Gurey AL, Kijavini IU, Napier MA, Pan J, Paoni NF;

PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;

PI Zhang Z;

XX

DR WPI: 2001-032160/04.

DR N-PSDB; AAF44231.

XX

PT PRO polynucleotides used to produce polypeptides used to target bioactive

PT molecules such as toxins, radiolabels or antibodies, to specific cells,

PT to cause targeted cell death.

XX

PS Claim 12; Fig 254; 933pp; English.

XX

CC The present invention describes human secreted and transmembrane PRO

CC proteins. The PRO proteins have cytosolic activity. The PRO proteins can

CC be used for targeted delivery of bioactive molecules, such as toxins,

CC radiolabels or antibodies, that cause cell death. PRO nucleotide

CC sequences, and their fragments, can be used as hybridisation probes, in

CC chromosomal and gene mapping, and in the generation of anti-sense RNA and

CC DNA. They may also be used to produce transgenic animals which are used

CC to develop and screen therapeutically useful reagents. The PRO nucleotide

CC and protein sequence can be used for tissue typing and in treating

CC cancer. Anti-PRO antibodies can be used in diagnostic assays. AAF44270 to

CC AAF44470 represent PCR primers and hybridisation probes used in the

CC isolation of human PRO sequences. AAF44087 to AAF44269 and AAB65154 to

CC AAB65300 represent human PRO polynucleotide and protein sequences given

CC in the exemplification of the present invention

XX

XX Sequence 135 AA;

XX

SO

Query Match 80.2%; Score 97; DB 4; Length 135;

Best Local Similarity 100.0%; Pred. No. 7,4e-88;

Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy

Db 1 MRIMLFTALIAFSLAASFGAVCKEPOEEVVPGGRSKRDPDYQLLQRLFKSHSLEGL 60

1 MRIMLFTALIAFSLAASFGAVCKEPOEEVVPGGRSKRDPDYQLLQRLFKSHSLEGL 60

Db 61 LKALSQASTDPKKESTPEKRDMDHDFVGLMGKRSVQP 97

61 LKALSQASTDPKKESTPEKRDMDHDFVGLMGKRSVQP 97

Qy

Db 08-MAY-2002 (first entry)

XX

DE Human PRO protein, Seq ID No 108.

XX

KM Human; secreted protein; PRO; tumour; lung cancer; colon cancer;

KM breast cancer; prostate tumour; rectal tumour; liver tumour;

KM pericyte cell proliferation; chondrocyte cell proliferation;

XX

XX tumour necrosis factor-alpha.

XX

OS Homo sapiens.

XX

PN WO2002028288-A2.

XX

PD 31-JAN-2002.

XX

PF 29-JUN-2001; 2001WO-US021066.

XX

PR 20-JUL-2000; 2000US-0219556P.

PR 25-JUL-2000; 2000US-0220585P.

PR 25-JUL-2000; 2000US-0220605P.

PR 25-JUL-2000; 2000US-0220607P.

PR 25-JUL-2000; 2000US-0220624P.

PR 25-JUL-2000; 2000US-0220638P.

PR 25-JUL-2000; 2000US-0220664P.

PR 25-JUL-2000; 2000US-0220666P.

PR 26-JUL-2000; 2000US-0220893P.

PR 28-JUL-2000; 2000WO-US020710.

PR 01-AUG-2000; 2000US-0222425P.

PR 22-AUG-2000; 2000US-0227133P.

PR 23-AUG-2000; 2000WO-US023522.

PR 24-AUG-2000; 2000WO-US023328.

PR 10-NOV-2000; 2000WO-US030873.

PR 28-NOV-2000; 2000US-0253646P.

PR 01-DEC-2000; 2000WO-US032678.

PR 20-DEC-2000; 2000US-0074725P.

PR 20-DEC-2000; 2000WO-US034956.

PR 28-FEB-2001; 2001WO-US006520.

PR 01-MAR-2001; 2001WO-US006566.

PR 22-MAR-2001; 2001US-00816744.

PR 10-MAY-2001; 2001US-00854208.

PR 10-MAY-2001; 2001US-00854280.

PR 25-MAY-2001; 2001WO-US017092.

XX

PA (GETH) GENENTECH INC.
XX Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ,
PI Grimaldi JC, Gunney AL, Smith V, Stephan JF, Watanabe CK, Wood WI,
XX WPI, 2002-172001/22.
DR N-PSDB; ABRK31589.
XX
PT One hundred and twenty two nucleic acids encoding PRO polypeptides,
PT useful for treating a PRO related disorder and for diagnosing tumors such
PT as lung cancer, colon cancer, breast tumor, prostate tumor, rectal tumor
PT or liver tumor.
PS
PS Claim 11; Fig 108; 359pp; English.
XX
XX The invention relates to one hundred and twenty two nucleic acids
XX encoding PRO polypeptides. The sequences of the 122 PRO polynucleotides
XX encode human secreted proteins. The PRO nucleic acids, polypeptides,
XX agonists and antagonists are useful for treating a PRO related disorder.
XX The PRO polypeptides are useful for diagnosing tumors, especially lung
XX cancer, colon cancer, breast tumor, prostate tumor, rectal tumor or
XX liver tumor. The PRO polypeptides are useful for stimulating the
XX proliferation of, or gene expression, in pericyte cells, for stimulating
XX the proliferation or differentiation of chondrocyte cells, for
XX stimulating the release of tumor necrosis factor-alpha from human blood,
XX for stimulating or inhibiting the proliferation of normal human dermal
XX fibroblast cells. The PRO polypeptide may also be used as molecular
XX weight markers and for tissue typing. The PRO nucleic acids have
XX applications in molecular biology, including use as hybridisation probes,
XX and in chromosome and gene mapping. AAU83592-AAU83713 represent human PRO
XX protein sequences of the invention
SQ
SQ Sequence 135 AA;
Query Match 80.2%; Score 97; DB 5; Length 135;
Best Local Similarity 100.0%; Pred. No. 7.4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MRIMLFTAILAFSLAQSFGAVCKEPOEEVYPGGGRSKRDPDLVQLQLRKFSSLSLEGL 60
DB 1 MRIMLFTAILAFSLAQSFGAVCKEPOEEVYPGGGRSKRDPDLVQLQLRKFSSLSLEGL 60
QY 61 LKAUSQASTDPKESRSPKRDMDFFVGLMGKRSVOP 97
DB 61 LKAUSQASTDPKESRSPKRDMDFFVGLMGKRSVOP 97
RESULT 15
ID ABB84901 standard; protein; 135 AA.
XX ABB84901;
XX ABB84901;
XX 16-MAY-2002 (first entry)
XX
XX Human PRO1155 protein sequence SEQ ID NO:170.
DE
DE Human, angiogenesis; cardiant; cytostatic; antiangiogenic; hypotensive;
KM vulnerability; antiarteriosclerotic; PRO agonist; PRO antagonist; trauma;
KM gene therapy; cardiovascular disorder; endothelial disorder; cancer;
KM angiogenic disorder; cardiac hypertrophy; atherosclerosis; hypertension;
KM age-related macular degeneration; arterial restenosis; angina;
KM rheumatoid arthritis; myocardial infarction; thrombophlebitis;
KM lymphangitis; tumor angiogenesis; breast carcinoma; liver carcinoma;
KM wound healing; chromosome mapping; gene mapping.
XX
XX Homo sapiens.
OS
XX WO200200690-A2.
XX
XX 03-JAN-2002.
XX
XX 20-JUN-2001; 2001WO-US019692.

XX 23-JUN-2000; 2000US-0213637P.
PR 20-JUL-2000; 2000US-0219556P.
PR 25-JUL-2000; 2000US-0220624P.
PR 25-JUL-2000; 2000US-0220664P.
PR 28-JUL-2000; 2000WO-US020710.
PR 02-AUG-2000; 2000US-0226959P.
PR 17-AUG-2000; 2000US-00643657.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 07-SEP-2000; 2000US-0230978P.
PR 18-SEP-2000; 2000US-00664610.
PR 18-SEP-2000; 2000US-00665350.
PR 24-OCT-2000; 2000US-0242922P.
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PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 22-JAN-2001; 2001US-00767609.
PR 28-FEB-2001; 2001US-00796498.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-MAR-2001; 2001WO-US006666.
PR 09-MAR-2001; 2001US-00802706.
PR 14-MAR-2001; 2001US-00808689.
PR 22-MAR-2001; 2001US-00816744.
PR 05-APR-2001; 2001US-00828366.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 25-MAY-2001; 2001US-00866028.
PR 25-MAY-2001; 2001US-00866034.
PR 25-MAY-2001; 2001WO-US017092.
PR 30-MAY-2001; 2001US-00870574.
PR 30-MAY-2001; 2001WO-US017443.
PR 01-JUN-2001; 2001WO-US017800.
XX
XX (GETH) GENENTECH INC.
XX Baker KP, Ferrara N, Gerber H, Gerritsen ME, Goddard A;
PI Godowski PJ, Gunney AL, Hillan KJ, Maretts SA, Pan J, Paoni NF,
PI Stephan JF, Watanabe CK, Williams PM, Wood WI, Ye W;
XX WPI, 2002-090516/12.
DR N-PSDB; ABL8156.
XX
XX One hundred and eighty seven nucleic acids encoding PRO polypeptides,
PT useful in diagnosis and treatment of cardiovascular (e.g. myocardial
PT infarction), endothelial or angiogenic disorders in a mammal.
PT
PS Claim 11; Fig 170; 565pp; English.
XX
XX ABL8072 to ABL88258 encode the PRO proteins given in ABB84817 to
CC ABB85003. The PRO proteins and polynucleotides have cardiant, cytostatic,
CC antiangiogenic, hypotensive, vulnerary and antiarteriosclerotic
CC activities, and can be used in gene therapy. The PRO polynucleotides,
CC proteins, agonists and antagonists are useful for treating or diagnosing
CC a cardiovascular, endothelial or angiogenic disorder in a mammal, e.g.
CC cardiac hypertrophy, trauma, cancer, age-related macular degeneration,
CC atherosclerosis, hypertension, arterial restenosis, rheumatoid arthritis,
CC angina, myocardial infarctions, thrombophlebitis, lymphangitis, tumor
CC angiogenesis (such as breast carcinoma and liver carcinoma) and wound
CC healing. The PRO polynucleotides have applications in molecular biology,
CC including use as hybridisation probes, and in chromosome and gene
CC mapping. ABL88259 to ABL88267 represent primers and probes used in the
CC exemplification of the present invention
XX
XX SQ Sequence 135 AA;
Query Match 80.2%; Score 97; DB 5; Length 135;
Best Local Similarity 100.0%; Pred. No. 7.4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTALFSLAOSFGAVCKEPOEEVVPGGGRSKRDPDLYOLLQRLFKSHSLEGL 60
 DB 1 MRIMLFTALFSLAOSFGAVCKEPOEEVVPGGGRSKRDPDLYOLLQRLFKSHSLEGL 60
 QY 61 LKALSQASTDPKKESTSPKRDMDHDFVGLMGKRSVOP 97
 DB 61 LKALSQASTDPKKESTSPKRDMDHDFVGLMGKRSVOP 97

RESULT 16
 ABB95507
 ID ABB95507 standard; protein; 135 AA.
 AC ABB95507;
 DT 19-JUL-2002 (first entry)
 DE Human angiogenesis related protein PRO1155 SEQ ID NO: 170.
 XX Human; angiogenesis; PRO protein; cardiovascularisation; wound; cancer;
 KW atherosclerosis; cardiac hypertrophy; gene therapy; endothelial disorder;
 KM cardiatic; cytosatic; antiangiogenic; hypotensive; vulnerary;
 KM antiarteriosclerotic.
 XX Homo sapiens.
 OS
 PN WO200208284-A2.
 XX
 XX 31-JAN-2002.
 PD
 PF 09-JUL-2001; 2001WO-US021735.
 XX
 XX 20-JUL-2000; 2000US-0219556P.
 PR 25-JUL-2000; 2000US-0220624P.
 PR 25-JUL-2000; 2000US-0220646P.
 PR 28-JUL-2000; 2000WO-US020710.
 PR 02-AUG-2000; 2000US-0222695P.
 PR 17-AUG-2000; 2000US-00643657.
 PR 23-AUG-2000; 2000WO-US023522.
 PR 24-AUG-2000; 2000WO-US023328.
 PR 07-SEP-2000; 2000US-0230788P.
 PR 18-SEP-2000; 2000US-00664610.
 PR 18-SEP-2000; 2000US-00665350.
 PR 24-OCT-2000; 2000US-0242922P.
 PR 08-NOV-2000; 2000US-00709238.
 PR 08-NOV-2000; 2000WO-US030952.
 PR 10-NOV-2000; 2000WO-US030873.
 PR 01-DEC-2000; 2000WO-US032678.
 PR 20-DEC-2000; 2000US-00747259.
 PR 20-DEC-2000; 2000WO-US034956.
 PR 22-JAN-2001; 2001US-00767609.
 PR 28-FEB-2001; 2001US-00796498.
 PR 28-FEB-2001; 2001WO-US006520.
 PR 01-MAR-2001; 2001WO-US006666.
 PR 09-MAR-2001; 2001US-00802706.
 PR 14-MAR-2001; 2001US-00808689.
 PR 22-MAR-2001; 2001US-00816744.
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 PR 25-MAY-2001; 2001US-00866034.
 PR 25-MAY-2001; 2001WO-US017092.
 PR 30-MAY-2001; 2001US-00870574.
 PR 30-MAY-2001; 2001WO-US017443.
 PR 01-JUN-2001; 2001WO-US017800.
 PR 20-JUN-2001; 2001WO-US019692.
 XX
 XX (GERTH) GENENTECH INC.
 PA (BAKE/) BAKER K P.
 PA (FERR/) FERRARA N.
 PA (GERB/) GERBER H.
 PA (GERR/) GERRITSEN M E.

PA (GODD/) GODDARD A.
 PA (GODO/) GODOWSKI P J.
 PA (GURN/) GURNEY A L.
 PA (HILL/) HILLAN K J.
 PA (MARS/) MARSTERS S A.
 PA (PANT/) PAN J.
 PA (PAONI) PAONI N F.
 PA (STEP/) STEPHAN J F.
 PA (WATA/) WATANABE C K.
 PA (WILL/) WILLIAMS P M.
 PA (WOOD/) WOOD W I.
 XX Baker KP, Ferrara N, Gerber H, Gerritsen ME, Goddard A,
 PI Godowski PJ, Gurney AL, Hillan KJ, Marsters SA, Pan J, Paoni NF,
 PI Stephan JF, Watanabe CK, Williams PM, Wood WJ, Ye W,
 XX WPI: 2002-171999/22.
 DR N-PSDB; ABL95645.
 XX
 XX One hundred and eighty seven nucleic acids encoding PRO polypeptides,
 PT useful in diagnosis and treatment of cardiovascular (e.g. myocardial
 PT infarction), endothelial or angiogenic disorders in a mammal.
 XX
 XX Claim 11; Fig 170; 567bp; English.
 CC The present invention provides the protein and coding sequences of human
 CC PRO proteins. These are useful for treating or diagnosing a
 CC cardiovascular, endothelial or angiogenic disorder including cardiac
 CC hypertrophy, trauma, cancer, age-related macular degeneration,
 CC atherosclerosis, hypertension, arterial restenosis, rheumatoid arthritis,
 CC angina, myocardial infarctions, thrombophlebitis, lymphangitis, tumour
 CC angiogenesis (such as breast carcinoma and liver carcinoma) and wound
 CC healing. The present sequence is a PRO protein of the invention
 XX
 SQ Sequence 135 AA;
 QY Query Match 80.2%; Score 97; DB 5; Length 135;
 DB Best Local Similarity 100.0%; Pred. No. 7.4e-88;
 Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MRIMLFTALFSLAOSFGAVCKEPOEEVVPGGGRSKRDPDLYOLLQRLFKSHSLEGL 60
 DB 1 MRIMLFTALFSLAOSFGAVCKEPOEEVVPGGGRSKRDPDLYOLLQRLFKSHSLEGL 60
 QY 61 LKALSQASTDPKKESTSPKRDMDHDFVGLMGKRSVOP 97
 DB 61 LKALSQASTDPKKESTSPKRDMDHDFVGLMGKRSVOP 97

RESULT 17
 ABUS8621
 ID ABUS8621 standard; protein; 135 AA.
 AC ABUS8621;
 DT 15-APR-2003 (first entry)
 DE Human PRO polypeptide #222.
 XX
 XX Human; PRO; cytosatic; tumour; cancer; breast; lung; stomach; liver;
 KW dog; cat; cow; horse; sheep; pig; goat; rabbit; ADDBPT;
 KW antibody-dependent enzyme mediated prodng therapy.
 XX
 OS Homo sapiens.
 PN US2003027272-A1.
 XX
 XX 06-FEB-2003.
 PD
 PF 21-JUN-2002; 2002US-00176492.
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 XX 18-SEP-1997; 97US-0059263P.
 PR 18-SEP-1997; 97US-0059266P.

PR 17-OCT-1997; 97US-0062250P.
PR 21-OCT-1997; 97US-0063486P.
PR 24-OCT-1997; 97US-0063120P.
PR 24-OCT-1997; 97US-0063121P.
PR 28-OCT-1997; 97US-0063540P.
PR 28-OCT-1997; 97US-0063541P.
PR 28-OCT-1997; 97US-0063544P.
PR 28-OCT-1997; 97US-0063564P.
PR 29-OCT-1997; 97US-0063734P.
PR 31-OCT-1997; 97US-0063870P.
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PR 11-DEC-1997; 97US-0069335P.
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Query Match

Best Local Similarity 100.0%; Pred. No. 7, 4e-88; Length 135;

Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 19

ABU84484

ID ABU84484 standard; protein; 135 AA.

XX	AC	ABU84484;
XX	DT	02-AUG-2003 (first entry)
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XX	KM	Human, secreted and transmembrane protein; PRO; TNF-alpha;
XX	KW	tumour necrosis factor alpha; chondrocyte cell; tumour; gene therapy;
XX	OS	tissue typing.
XX	XX	Homo sapiens.
XX	XX	US2003032112-A1.
XX	XX	13-FEB-2003.
XX	XX	21-JUN-2002; 2002US-00176756.
XX	XX	18-SEP-1997; 97US-0059263P.
XX	XX	18-SEP-1997; 97US-0059266P.
XX	XX	17-OCT-1997; 97US-0062250P.
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PR 16-SEP-1998; 98WO-US019330.
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PR 17-SEP-1998; 98US-0100930P.
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Query Match 80.2%; Score 97; DB 6; Length 135;
Best Local Similarity 100.0%; Pred. No. 7.4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MIMILFTAIILAFSLAQSGAVCKEPOEIVVPGGGRSKDPDLYOLRLFKSHSLSLGL 60

QY 61 LKALSQASTDPKESSTPERKDMHDFVGLMGKRSYQP 97
DB 61 LKALSQASTDPKESSTPERKDMHDFVGLMGKRSYQP 97

RESULT 20
ABR66358 standard; protein; 135 AA.

AC ABR66358;

XX 05-AUG-2003 (first entry)

DE Human secreted polypeptide PRO1155, SEQ ID NO:444.

XX Human; PRO; secreted protein; transmembrane protein;
KW extracellular domain; tumour necrosis factor-alpha; TNF-alpha;
KW chondrocyte; proliferation; differentiation; cartilage disorder;
KW bone disorder; arthritis; sports injury; cancer; tumour; diagnosis;
KW adrenal tumour; lung; colon; breast; prostate; kidney; rectum; cervix;
KW liver; drug screening; transgenic animal; genetic analysis;
KW antiarthritic; vulnerary; gene therapy.

OS Homo sapiens.

PN US2003027278-A1.

XX 06-FEB-2003.

PF 21-JUN-2002; 2002US-00176987.

XX 18-SEP-1997; 97US-0059263P.
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 QY 61 LKALSOASTDPKESTSPKRDMDHDFVGLMGKRSVCP 97
 DB 61 LKALSOASTDPKESTSPKRDMDHDFVGLMGKRSVCP 97

RESULT 21
 ID ABR65748 standard; protein; 135 AA.

AC ABR65748;

DT 05-AUG-2003 (first entry)

DE Human secreted polypeptide PRO1155, SEQ ID NO:444.

XX Human; PRO; secreted protein; transmembrane protein;

KW extracellular domain; tumour necrosis factor-alpha; TNF-alpha;

KW chondrocyte; proliferation; differentiation; cartilage disorder;

KW bone disorder; arthritis; sports injury; cancer; tumour; diagnosis;

KW adrenal tumour; lung; colon; breast; prostate; kidney; rectum; cervix;

KW liver; drug screening; transgenic animal; genetic analysis;

XX antiarthritic; vulnery; gene therapy.

OS Homo sapiens.

PN US2003036159-A1.

XX 20-FEB-2003.

PD 02-JUL-2002; 2002US-00188773.

PF 18-SEP-1997; 97US-0059263P.

PR 18-SEP-1997; 97US-0059266P.

PR 21-OCT-1997; 97US-0063486P.

PR 24-OCT-1997; 97US-0063120P.

PR 24-OCT-1997; 97US-0063121P.

PR 28-OCT-1997; 97US-0063540P.

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PR 28-OCT-1997; 97US-0063564P.

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PR 11-DEC-1997; 97US-0069335P.
PR 12-DEC-1997; 97US-0069425P.
PR 17-DEC-1997; 97US-0069870P.
PR 18-DEC-1997; 97US-0068017P.
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PR 01-OCT-1998; 98US-0102687P.

Query Match 80.2%; Score 97; DB 6; Length 135;
Best Local Similarity 100.0%; Pred. No. 7,4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

CY 1 MRIMLFTALAFSLAQSGAVCKEPQEVVPGGGRKRPDLYOLLQRLFKSHSILEGL 60
DB 1 MRIMLFTALAFSLAQSGAVCKEPQEVVPGGGRKRPDLYOLLQRLFKSHSILEGL 60
CY 61 LKALSOASTDPKSTSPKRDMDHFFVGLMGKRSVQP 97
DB 61 LKALSOASTDPKSTSPKRDMDHFFVGLMGKRSVQP 97

RESULT 22
ABU99688
ID ABU99688 standard; protein; 135 AA.

XX AC ABU99688;

XX DT 09-AUG-2003 (first entry)

XX DE Human secreted/transmembrane protein (PRO) #222.

XX KW Human; secreted and transmembrane protein; PRO; TNF-alpha;
XX KM tumour necrosis factor alpha; chondrocyte cell; tumour; gene therapy;
XX tissue typing.

XX OS Homo sapiens.

XX EN US2003040070-A1.

XX PD 27-FEB-2003.

XX PF 27-JUN-2002; 2002US-00184627.

XX 18-SEP-1997; 97US-0059263P.
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Query Match 80.2%; Score 97; DB 6; Length 135;
Best Local Similarity 100.0%; Pred. No. 7, 4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTAI-AFSAQSGAVCKEPOEEVYPGGGKREKRPDIYQLQR-LFKSHSSIEGL 60
DB 1 MRIMLFTAI-AFSAQSGAVCKEPOEEVYPGGGKREKRPDIYQLQR-LFKSHSSIEGL 60

QY 61 LKALSOASTDPKESTSPKRDMDFFVGLMGKRSVQP 97
DB 61 LKALSOASTDPKESTSPKRDMDFFVGLMGKRSVQP 97

RESULT 23
ABUS8077
ID ABUS8077 standard; protein; 135 AA.
XX AC ABUS8077;
XX 14-APR-2003 (first entry)
DT Human PRO polypeptide #109.
XX DE
XX Human; PRO; cytostatic; tumour; cancer; breast; lung; stomach; liver;
XX horse; cow; dog; cat; sheep; pig; goat; rabbit; ADEPT;
XX antibody-dependent enzyme mediated prodrug therapy.
OS Homo sapiens.
XX PN US2003027163-A1.
XX PD 06-FEB-2003.
XX PF 15-NOV-2001; 2001US-00997666.
XX PR 16-JUN-1997; 97US-0049787P.
XX PR 17-OCT-1997; 97US-0062250P.
XX PR 05-NOV-1997; 97WC-USO20069.
XX PR 12-NOV-1997; 97US-0065186P.
XX PR 13-NOV-1997; 97US-0065311P.
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PR 19-JUN-1998; 98US-0089947P.
PR 19-JUN-1998; 98US-0089948P.
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PR 17-SEP-1998; 98US-0100858P.
PR 07-OCT-1998; 98US-01019437.
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PR 12-MAR-1999; 98US-0123957P.
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PR 10-MAR-2000; 98US-0158663P.

PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 30-MAR-2000; 2000WO-US008439.
PR 15-MAY-2000; 2000WO-US013358.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 23-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
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Best Local Similarity 100.0%; Pred. No. 7.4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Dd 1 KRIMLFTALIAFSLAOSFGAYCKEPOBEVYPGGGRSKRDPDLYLLQRLFKSHSLLEGL 60
QY 61 LKALSGASTDPKESTPEKRDHDPFVGMGRSVQP 97
Dd 61 LKALSGASTDPKESTPEKRDHDPFVGMGRSVQP 97

RESULT 24
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ID ABUS9155 standard; protein; 135 AA.
XX
AC ABUS9155;
XX
DT 28-APR-2003 (first entry)
XX
DE Novel human secreted or transmembrane protein PRO1155.
XX
KW Human; PRO; hypertrophy of neonatal heart; angiogenesis; wound healing;
KW cardiac insufficiency disorder; cancer; tumour; immune response;
KW adrenal cortical capillary endothelial growth; c-fos induction;
KW vascular endothelial growth factor inhibition; VEGF inhibition;
KW endothelial cell growth inhibitor; T-lymphocytes stimulation;
KW retinal neurons cell survival; rod photoreceptor cell survival;
KW retinal disorder; retinitis pigmentosum; kidney disorder;
KW mammalian kidney mesangial cell proliferation; Berger disease;
KW dermatitis; herpesiformis; Crohn's disease; chondrocyte proliferation;
KW chondrocyte redifferentiation; sports injury; arthritis.
XX
XX Homo sapiens.
OS
XX
XX US2002132252-A1.
PN
XX
PD 19-SEP-2002.
XX
PF 14-NOV-2001; 2001US-00990442.
XX
XX 16-JUN-1997; 97US-0049787P.
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PR 12-NOV-1997; 97US-0065186P.
PR 13-NOV-1997; 97US-0065311P.
PR 24-NOV-1997; 97US-0066770P.
PR 25-FEB-1998; 98US-0075945P.
PR 20-MAR-1998; 98US-0078910P.
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PR 18-JUN-1998; 98US-0089907P.
PR 18-JUN-1998; 98US-0089908P.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 01-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 02-JUN-1999; 99WO-US012252.
PR 15-SEP-1999; 99WO-US021090.
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PR 30-NOV-1999; 99WO-US028313.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 06-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000376.
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PR 18-FEB-2000; 2000WO-US004341.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
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PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
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PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
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PR 08-NOV-2000; 2000WO-US030952.
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PR 28-FEB-2001; 2001WO-US006520.
PR 01-JUN-2001; 2001WO-US017800.

PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 28-AUG-2001; 2001US-00941992.
XX
XX (GENTH) GENENTECH INC.
XX Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL,
PI Ferreira N, Fong S, Gerber H, Gerlitsen ME, Goddard A, Godowski PJ,
PI Grimaldi JC, Gurney AL, Kijavni J, Napier M, Pan J, Paoletti NF,
PI Roy MA, Stewart JA, Tumas D, Watanabe CK, Williams JM, Wood WI,
PI Zhang Z;
XX
XX WPI; 2003-247983/24.
DR N-PSDB; ABA60354.
XX
XX Novel isolated PRO polypeptides e.g., PRO826, PRO1068, PRO1346
PT and PRO1375, which stimulate proliferation of stimulated T-lymphocytes
PT are therapeutically useful for enhancing immune response and in cancer
PT treatments.
XX
XX Claim 12; Fig 254; 646pp; English.
XX
XX The invention describes an isolated human PRO polypeptide. The PRO
CC polypeptides are useful in detecting PRO polypeptides in a sample, in
CC linking a bioactive molecule to a cell expressing a PRO polypeptide, and
CC in modulating at least one biological activity of a cell expressing a PRO
CC polypeptide. PRO1312 stimulates hypertrophy of neonatal heart and is thus
CC useful for treating cardiac insufficiency disorders. PRO1154 and PRO1186
CC stimulate adrenal cortical capillary endothelial growth, and PRO536,
CC PRO943, PRO828, PRO1068 or PRO535, PRO826, PRO819, PRO1126,
CC PRO1360 and PRO1387 induce c-fos in endothelial cells, and are thus
CC useful for treating conditions or disorders where angiogenesis would be
CC beneficial, e.g. wound healing and antagonist of this polypeptide are
CC useful for treating cancerous tumours. PRO812 inhibits vascular
CC endothelial growth factor (VEGF) stimulated proliferation of endothelial
CC cells and is thus useful for inhibiting endothelial cell growth in
CC mammals which would be beneficial in inhibiting tumour growth. PRO826,
CC PRO1068, PRO1184, PRO1346 and PRO1375 stimulate proliferation of
CC stimulated T-lymphocytes and are therapeutically useful for enhancing
CC immune response. PRO828, PRO826, PRO1068 or PRO1132 enhance survival of
CC retinal neurons cells (PRO1132 is also enhances survival/proliferation of
CC rod photoreceptor cells) and therefore are useful for treating retinal
CC disorders of injuries, e.g. retinitis pigmentosa, AMD. PRO819, PRO813
CC and PRO1066 induce proliferation of mammalian kidney mesangial cells,
CC and therefore are useful for treating kidney disorders associated with
CC decreased mesangial cell function such as Berger disease or other
CC nephropathies associated with dermatitis, herpeticiformis or Crohn's
CC disease. PRO1310, PRO844, PRO1312, PRO1375 and PRO1387 induce the
CC proliferation and/or redifferentiation of chondrocytes in culture and are
CC thus useful for treating sports injuries, and arthritis. This is the
CC amino acid sequence of a novel human PRO protein
XX
XX Sequence 135 AA;
SQ
Query Match 80.2%; Score 97; DB 6; Length 135;
Best Local Similarity 100.0%; Pred. No. 7,4e-86;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 61 LKALSOASTDPKSTSPKRDHDFVGLMGKRSVOP 97
DB 61 LKALSOASTDPKSTSPKRDHDFVGLMGKRSVOP 97
RESULT 25
ABUS2667
ID ABUS2667 standard; protein; 135 AA.
XX
XX AC ABUS2667;

XX
XX 26-JUN-2003 (first entry)
XX
XX Human secreted/transmembrane protein PRO1155.
DE
XX
XX Human; PRO; secreted protein; transmembrane protein;
KW cardiac insufficiency disorders; angiogenesis; wound healing;
KW cancerous tumour; immune response; retinal disorder; sight loss;
KW retinitis pigmentosa; age-related macular degeneration; AMD;
KW kidney disorder; Berger disease; nephropathy; dermatitis; herpeticiformis;
KW Crohn's disease; sports injury; arthritis.
XX
XX Homo sapiens.
OS
XX
XX US2003032023-A1.
XX
XX 13-FEB-2003.
PD
XX
XX 14-NOV-2001; 2001US-00990711.
PF
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XX 16-JUN-1997; 97US-0049787P.
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PR	24-JUN-1998;	98US-0090557P.	PR	08-MAR-1999;	99WO-US005028.
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PR	25-JUN-1998;	98US-0090696P.	PR	26-JUL-1999;	99US-0145638P.
PR	26-JUN-1998;	98US-0090862P.	PR	28-JUL-1999;	99US-0146222P.
PR	26-JUN-1998;	98US-0090863P.	PR	17-AUG-1999;	99US-0149366P.
PR	01-JUL-1998;	98US-0091360P.	PR	15-SEP-1999;	99WO-US021090.
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PR	04-AUG-1998;	98US-0095282P.	PR	10-MAR-2000;	2000WO-US006319.
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Query Match

Best Local Similarity

Matches

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Conservative

0;

Mismatches

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Indels

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Gaps

0;

80.2%;

Score 97;

DB 6;

Length 135;

Best Local Similarity

100.0%;

Pred. No. 7.4e-88;

Matches

97;

Conservative

0;

Mismatches

0;

Indels

0;

Gaps

0;

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61

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97

61

LKALSOASTPKESTSPEKSDMHDFVGLMGKRSVOP

97

Db

61

LKALSOASTPKESTSPEKSDMHDFVGLMGKRSVOP

97

RESULT 26

ABU82927

ABU82927 standard; protein: 135 AA.

XX

ABU82927;

XX

27-JUN-2003 (first entry)

XX

DE Human PRO polypeptide #222.
XX
XX Human, PRO polypeptide; secreted and transmembrane protein; tumour;
KM Chromosome mapping; gene mapping; cytostatic.
XX
XX Homo sapiens.
XX
PN US2003032113-A1.
XX
PD 13-FEB-2003.
XX
XX 20-JUN-2002; 2002US-00176911.
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Query Match 80.2%; Score 97; DB 6; Length 135;
Best Local Similarity 100.0%; Pred. No. 7.4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 27
ABU90048
ID ABU90048 standard; protein; 135 AA.
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AC ABU90048;
XX
XX 11-AUG-2003 (first entry)
XX
DE Novel human secreted and transmembrane protein PRO1155.
XX
XX Human; gene therapy; tissue typing; tumour; chondrocyte proliferation;

KW chondrocyte differentiation; tumour necrosis factor-alpha release;
KM affinity purification.
XX Homo sapiens.
OS US2003036147-A1.
PN 20-FEB-2003.
PD
XX
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Query Match 80.2%; Score 97; DB 6; Length 135;
Best Local Similarity 100.0%; Pred. No. 7.4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 28
ABR68297
ID ABR68297 standard; protein; 135 AA.

XX ABR68297;
DT 11-AUG-2003 (first entry)

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XX Human; PRO; secreted protein; transmembrane protein;
KW extracellular domain; tumour necrosis factor-alpha; TNF-alpha;
KW chondrocyte; proliferation; differentiation; cartilage disorder;
KW bone disorder; arthritis; sports injury; cancer; tumour; diagnosis;

KM adrenal tumour; lung; colon; breast; prostate; kidney; rectum; cervix;
KM liver; drug screening; transgenic animal; genetic analysis;
KM antiarthritic; vulneraty; gene therapy.
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OS Homo sapiens.
PN US2003027264-A1.
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XX
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RESULT 29
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KW diagnostic; therapeutic; gene therapy.
XX
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XX US2002160384-A1.

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XX 14-NOV-2001; 2001US-00992598.
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29-JUN-2001; 2001MO-US021066.
09-JUL-2001; 2001MO-US021735.
28-AUG-2001; 2001US-00941992.

(GETH) GENENTECH INC.

Ashkenazi AJ, Baker KP, Botstein D, Deeneyers L, Eaton DJ,
Ferreira N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ,
Grimaldi JC, Gurney AL, Kljavin IJ, Napier MA, Pan J, Paoni NF,
Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI,
Zhang Z;

MPI; 2003-288106/28.
N-PSDB; ABX90332.

New transmembrane polypeptides and nucleic acids encoding the
polypeptides, useful in gene therapy, in chromosome identification, as
chromosome markers, or in generating probes.

Claim 12; Fig 254; 650pp; English.

The invention discloses isolated PRO secreted/transmembrane polypeptides
comprising a sequence without signal peptide and the nucleic acid
encoding them. The polypeptides can be used to raise antibodies that
specifically bind to the PRO polypeptide, for linking a bioactive
molecule to a cell expressing a PRO protein and for modulating at least
one biological activity of a cell. The PRO polypeptides or
polynucleotides are also useful in gene therapy, in chromosome
identification, as chromosome markers, or in generating probes. The PRO
polypeptides are useful as molecular markers for protein electrophoresis,
and the isolated nucleic acids may be used for recombinantly expressing
these markers. The PRO polypeptides and nucleic acids may also be used in
tissue typing. Anti-PRO antibodies are useful in diagnostic assays for
PRO, and in affinity purification of PRO from recombinant cell culture or
natural sources. The sequences presented in ABU60478-ABU60624 are the PRO
polynucleotides of the invention. Note: The sequence data for this patent
is also available in electronic format from USPTO at
seqdata.uspto.gov/sequence.html

Sequence 135 AA:

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Best Local Similarity 100.0%; Pred. No. 7.4e-88;
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AC ABU96350;
XX 25-JUL-2003 (first entry)
DE Novel human secreted and transmembrane protein PRO1155.
XX Human; secreted and transmembrane protein; PRO; transgenic animal;
XX knockout; chromosome identification; tissue typing; tumour;
KM chondrocyte proliferation; chondrocyte differentiation;
KM tumour necrosis factor-alpha release stimulator.
XX Homo sapiens.
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XX 01-JUL-2002; 2002US-00187601.
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DT 18-JUL-2003 (first entry)
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KW proliferation; differentiation; chondrocyte cell; TNF-alpha;
KW tumour necrosis factor-alpha; gene therapy.
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OS Homo sapiens.
XX
PN US2003036149-A1.
XX
PD 20-FEB-2003.
XX
PF 02-JUL-2002; 2002US-00187746.
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Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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RESULT 32
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ID ABU80792 standard; protein; 135 AA.
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DT 23-JUN-2003 (first entry)
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KW anti-PRO antibody; diagnostic assay; gene expression; tumour; cytostatic.
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XX US2003036635-A1.
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XX 20-FEB-2003.
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XX 28-AUG-2002; 2002US-00230163.
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XX 25-JUL-2000; 2000US-0220638P.
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XX 01-JUN-2001; 2001WO-US017800.
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XX 29-JUN-2001; 2001WO-US021066.
XX
XX 09-APR-2002; 2002US-00119480.
XX
XX (GETH ) GENENTECH INC.
XX
XX Baker KP, Desnoyers L, Gerlitsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
XX WPI; 2003-342045/32.
XX
XX N-PsDB; ACAA65894.
XX
XX One hundred and twenty two nucleic acids encoding PRO polypeptides,
PT useful for the manufacture of a medicament for diagnosing or creating
PT tumor.
XX
XX Claim 11; Fig 108; 314pp; English.
XX
XX The present invention relates to the isolation of novel human PRO
CC polypeptides, and the polynucleotide sequences encoding them. The PRO
CC polypeptides are secreted and transmembrane proteins. The PRO
CC polypeptides and polynucleotides are useful for preparing a medicament
CC useful in the diagnosis and treatment of tumours. Anti-PRO antibodies are
CC useful in diagnostic assays for PRO, by detecting its expression in
CC specific cells, tissues or serum, and for affinity purification of PRO
CC from recombinant cell culture or natural sources. ABU80739-ABU80860
CC represent the human PRO polypeptides of the invention. Note: The sequence
CC data for this patent was obtained in electronic format directly from the
CC USPTO web site at seqdata.uspto.gov/psipdIDentry.html
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ID ABO08858 standard; protein; 135 AA.
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XX 17-AUG-2003 (first entry)
XX
XX Human secreted/transmembrane protein (PRO) #222.
XX
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KW Human; secreted and transmembrane protein; PRO; TNF-alpha;
KW tumour necrosis factor alpha; chondrocyte cell; tumour; gene therapy;
KW tissue typing; adrenal tumour; lung tumour; colon tumour; breast tumour;
KW prostate tumour; rectal tumour; cervical tumour; liver tumour.
XX
OS Homo sapiens.
XX
PN US2003044923-A1.
XX
PD 06-MAR-2003.
XX
PF 24-JUN-2002; 2002US-00179522.
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PR 23-SEP-1998; 98US-0101477P.
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PR 24-SEP-1998; 98US-0101739P.
PR 24-SEP-1998; 98US-0101743P.
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PR 25-SEP-1998; 98US-0101786P.
PR 29-SEP-1998; 98US-0102207P.
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PR 30-SEP-1998; 98US-0102487P.
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PR 30-SEP-1998; 98US-0102571P.
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PR 01-OCT-1998; 98US-0102687P.
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PR 06-OCT-1998; 98US-0103258P.
PR 06-OCT-1998; 98US-0103449P.

Query Match 80.2%; Score 97; DB 6; Length 135;
Best Local Similarity 100.0%; Pred. No. 7,4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MRIMLFTALASLAOSFGAVCKEPOEYVPGGSKKDPDYQLQRLFKSHSLGL 60
QY 61 LKALSQASTPDKESTSPEKDKMDPFVGLMGKRSVOP 97
DB 61 LKALSQASTPDKESTSPEKDKMDPFVGLMGKRSVOP 97

RESULT 34
ABO02910
ID ABO02910 standard; protein; 135 AA.
XX ABO02910;
AC ABO02910;
DT 09-AUG-2003 (first entry)
XX
XX Human secreted/transmembrane protein (PRO) #222.
DE
XX Human; secreted and transmembrane protein; PRO; TNF-alpha;
KM tumour necrosis factor alpha; chondrocyte cell; tumour; gene therapy;
KM tissue typing; adrenal tumour; lung tumour; colon tumour; breast tumour;

KM prostate tumour; rectal tumour; cervical tumour; liver tumour.
XX
OS Homo sapiens.
XX US2003040062-A1.
XX
XX 27-FEB-2003.
XX
PP 25-JUN-2002; 2002US-00180545.
XX
XX 18-SEP-1997; 97US-0059263P.
XX 18-SEP-1997; 97US-0059266P.
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XX 04-JUN-1998; 98US-0088025P.

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PR 01-SEP-1998; 98US-0098716P.
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PR 06-OCT-1998; 98US-0103449P.

Query Match 80.2%; Score 97; DB 6; Length 135;
Best Local Similarity 100.0%; Pred. No. 7,4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTALIAFSLAOSFGAVCKEPOEEVVPGGGRSKRDPDYQLQRLFKSHSISGL 60
DB 1 MRIMLFTALIAFSLAOSFGAVCKEPOEEVVPGGGRSKRDPDYQLQRLFKSHSISGL 60
QY 61 LKALSOASTDPKSTSPKRDMDHDFVGLMGKSVOP 97
DB 61 LKALSOASTDPKSTSPKRDMDHDFVGLMGKSVOP 97

RESULT 35
ID ABR75064
ID ABR75064 standard; proteain; 135 AA.
AC ABR75064;
XX 10-SEP-2003 (first entry)
DT Human secreted polypeptide PRO1155, SEQ ID NO:444.
XX Human secreted polypeptide PRO1155, SEQ ID NO:444.
DE Human; PRO; secreted protein; transmembrane protein;
XX extracellular domain; tumour necrosis factor-alpha; TNF-alpha;
KW chondrocyte; proliferation; differentiation; cartilage disorder;
KW bone disorder; arthritis; sports injury; cancer; tumour; diagnosis;
KW adrenal tumour; lung; colon; breast; prostate; kidney; rectum; cervix;
KW liver; drug screening; transgenic animal; genetic analysis;

KM antiarthritic; vulnery; gene therapy.
XX Homo sapiens.
XX US2003040056-A1.
XX PD 27-FEB-2003.
XX PF 21-JUN-2002; 2002US-00176916.
XX PR 18-SEP-1997; 97US-0059263P.
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PR 31-OCT-1997; 97US-0064103P.
PR 13-NOV-1997; 97US-0065311P.
PR 21-NOV-1997; 97US-0066120P.
PR 24-NOV-1997; 97US-0066466P.
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PR 12-DEC-1997; 97US-0069425P.
PR 17-DEC-1997; 97US-0069870P.
PR 18-DEC-1997; 97US-0068017P.
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PR 01-SEP-1998; 98US-0098716P.
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PR 17-SEP-1998; 98US-0100930P.
PR 18-SEP-1998; 98US-0100849P.
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PR 25-SEP-1998; 98US-0101786P.
PR 29-SEP-1998; 98US-0102207P.
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PR 30-SEP-1998; 98US-0102570P.
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PR 01-OCT-1998; 98US-0102684P.
PR 01-OCT-1998; 98US-0102687P.

Query Match 80.2%; Score 97; DB 6; Length 135;
Best Local Similarity 100.0%; Pred. No. 7.4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 MRIMLFTAILAFSLAQSGAVCKEPEFVPGGGRSKDPDLYQLQRLFKSHSLLEGL 60
QY 61 LKALSOASTDPKESISPEKRDMDPFVGLMKGRSVOP 97
Db 61 LKALSOASTDPKESISPEKRDMDPFVGLMKGRSVOP 97

RESULT 36
ID ABR94826 standard; protein; 135 AA.
XX ABR94826;

DT 13-SEP-2003 (first entry)
XX Human secreted polypeptide PRO1155, SEQ ID NO:444.
XX Human; PRO; secreted protein; transmembrane protein;
XX extracellular domain; tumour necrosis factor-alpha; TNF-alpha;
XX chondrocyte; proliferation; differentiation; cartilage disorder;
XX bone disorder; arthritis; sports injury; cancer; tumour; diagnosis;
XX adrenal tumour; lung; colon; breast; prostate; kidney; rectum; cervix;
XX liver; drug screening; transgenic animal; genetic analysis;
XX antiarthritic; vulnerary; gene therapy.
OS Homo sapiens.

XX US2003044926-A1.
FN 25
XX 06-MAR-2003.
PD
XX 26-JUN-2002; 2002US-00183015.
PF
XX 18-SEP-1997; 97US-0059263P.
PR 18-SEP-1997; 97US-0059266P.
PR 17-OCT-1997; 97US-0062250P.
PR 21-OCT-1997; 97US-0063486P.
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PR 04-JUN-1998; 98US-0088028P.
PR 04-JUN-1998; 98US-0088029P.
PR 04-JUN-1998; 98US-0088033P.

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PR 04-JUL-1998; 98US-0094006P.
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PR 18-AUG-1998; 98US-0096949P.
PR 18-AUG-1998; 98US-0096959P.
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PR 26-AUG-1998; 98US-0097974P.
PR 01-SEP-1998; 98US-0098014P.
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PR 02-SEP-1998; 98US-0098821P.
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PR 09-SEP-1998; 98US-0099602P.
PR 10-SEP-1998; 98US-0099741P.
PR 10-SEP-1998; 98US-0099754P.
PR 10-SEP-1998; 98US-0099763P.
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PR 16-SEP-1998; 98US-0100664P.
PR 16-SEP-1998; 98US-0101751P.
PR 16-SEP-1998; 98US-0101751P.
PR 17-SEP-1998; 98US-0100643P.
PR 17-SEP-1998; 98US-0100644P.
PR 17-SEP-1998; 98US-0100649P.
PR 17-SEP-1998; 98US-0100919P.
PR 17-SEP-1998; 98US-0100930P.
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PR 18-SEP-1998; 98US-0101014P.
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PR 23-SEP-1998; 98US-0101472P.
PR 23-SEP-1998; 98US-0101475P.
PR 23-SEP-1998; 98US-0101477P.
PR 23-SEP-1998; 98US-0101738P.
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PR 24-SEP-1998; 98US-0101932P.
PR 25-SEP-1998; 98US-0101786P.
PR 25-SEP-1998; 98US-0102070P.
PR 29-SEP-1998; 98US-0102207P.
PR 29-SEP-1998; 98US-0102240P.
PR 29-SEP-1998; 98US-0102330P.
PR 29-SEP-1998; 98US-0102331P.
PR 30-SEP-1998; 98US-0102470P.
PR 30-SEP-1998; 98US-0102570P.
PR 30-SEP-1998; 98US-0102571P.
PR 01-OCT-1998; 98US-0102684P.
PR 01-OCT-1998; 98US-0102687P.

Query Match 80.2%; Score 97; DB 6; Length 135;
Best Local Similarity 100.0%; Pred. No. 7, 4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTAILAFSLAOSFGAVCKEPOEBYVPGGGRSKRDPDYLIQRLFKSHSLEGL 60
Db 1 MRIMLFTAILAFSLAOSFGAVCKEPOEBYVPGGGRSKRDPDYLIQRLFKSHSLEGL 60

QY 61 LKALSOASTDPKPESTPEKRDMDHDFVGLMGKRSVOP 97
Db 61 LKALSOASTDPKPESTPEKRDMDHDFVGLMGKRSVOP 97

RESULT 37
ABO33758
ID ABO33758 standard; protein; 135 AA.
XX
AC ABO33758;
XX
DT 17-SEP-2003 (first entry)
XX
DE Novel human secreted and transmembrane protein PRO1155.
XX
KW Human; secreted and transmembrane protein; PRO; cystostatic;
KW antiinflammatory; osteopapathic; gene therapy; TNF-Agonist-Alpha;
KW chondrocyte stimulator; pericyte stimulator; fibroblast modulator;
KW pharmaceutical; diagnostic; biosensor; bioreactor; tumour; lung tumour;
KW colon tumour; breast tumour; prostate tumour; rectal tumour;
KW liver tumour; bone disorder; cartilage disorder; sports injury;
KW arthritis; wound.
XX
OS Homo sapiens.
XX
PN US2003045687-A1.
XX
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PD 06-MAR-2003.
XX 12-AUG-2002; 2002US-00218631.
PF
XX
PR 01-JUN-2001; 2001WO-US017800.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-APR-2002; 2002US-00119480.
XX
XX (GENTH) GENENTECH INC.
PI Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ,
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WT,
XX WPI; 2003-512315/48.
DR N-PSDB; ACD68646.
XX
XX New genes, and its encoded secreted and transmembrane polypeptides,
PT useful for stimulating Tumor Necrosis Factor alpha, or chondrocyte or
PT pericyte proliferation, especially for treating lung tumors, arthritis or
PT wounds in a mammal.
XX
XX Claim 11; Fig 108; 314pp; English.
XX
XX The invention describes an isolated nucleic acid molecule comprising a
CC sequence with at least 80% identity to: (a) a nucleotide encoding any of
CC 122 PRO (secreted and transmembrane) polypeptides whose sequences are
CC fully defined in the specification; or (b) any of 122 nucleotide
CC sequences having e.g. 4834, 2504 or 1759 bp fully defined in the
CC specification; or the full length coding sequence of any these 122
CC nucleotide sequences. The PRO polypeptides or polynucleotides are useful
CC as pharmaceutical, diagnostic, biosensors or bioeffectors. These are
CC particularly useful for detecting tumors (e.g. lung tumor, colon
CC tumor, breast tumor, prostate tumor, rectal tumor, or liver tumor)
CC in a mammal, for stimulating the release of TNF-alpha from human blood,
CC for stimulating the proliferation or differentiation of chondrocyte
CC cells, for stimulating proliferation of pericyte cells, or for modulating
CC normal human dermal fibroblast proliferation. The PRO nucleic acid or
CC polypeptide is also useful for treating tumors or various bone and/or
CC cartilage disorders (e.g. sports injuries or arthritis), or wounds. The
CC PRO polypeptides are useful in drug screening, particularly as targets
CC for therapeutic intervention in these diseases, and in the diagnostic
CC determination of the presence of these diseases. The PRO polypeptides are
CC also useful as molecular weight markers, or for chromosome
CC identification. The PRO genes are useful as hybridisation probes, or for
CC screening libraries of human cDNA, genomic DNA or mRNA. The PRO genes may
CC also be used in gene therapy, particularly for replacing a defective
CC gene. This is the amino acid sequence of a novel human secreted and
CC transmembrane PRO polypeptide
XX
SQ Sequence 135 AA;
Query Match 80.2%; Score 97; DB 6; Length 135;
Best Local Similarity 100.0%; Pred. No. 7.4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 KRIMILFTALIAFSLAQSGAVCKEPQBEVPGGGSKRDPDLYQLQLTFLKSHSLRGL 60
Db 1 KRIMILFTALIAFSLAQSGAVCKEPQBEVPGGGSKRDPDLYQLQLTFLKSHSLRGL 60
QY 61 LKALSGASNDPKKESPEKRDMDPFVGLMGKRSVNP 97
Db 61 LKALSGASNDPKKESPEKRDMDPFVGLMGKRSVNP 97
RESULT 38
ID ABU13968
ID ABU13968 standard; protein; 135 AA.
XX
AC ABU13968;
XX
XX 26-FEB-2003 (first entry)
XX
DE Human PRO155 polypeptide.

XX
KW Human; PRO polypeptide; secreted protein; transmembrane protein;
KW genetic disorder; antibacterial; immunosuppressive.
XX
XX Homo sapiens.
XX US2002103125-A1.
XX
PD 01-AUG-2002.
XX
PF 20-NOV-2001; 2001US-00989731.
XX
XX 16-JUN-1997; 97US-0049787P.
XX 17-OCT-1997; 97US-0062250P.
XX 05-NOV-1997; 97WO-US020069.
XX 12-NOV-1997; 97US-0065186P.
XX 13-NOV-1997; 97US-0065311P.
XX 24-NOV-1997; 97US-0066770P.
XX 25-FEB-1998; 98US-0075945P.
XX 20-MAR-1998; 98US-0078910P.
XX 28-APR-1998; 98US-0083322P.
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XX 28-MAY-1998; 98US-0087106P.
XX 02-JUN-1998; 98US-0087607P.
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XX 04-JUN-1998; 98US-0088025P.
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XX 04-JUN-1998; 98US-0088033P.
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XX 11-JUN-1998; 98US-0088861P.
XX 11-JUN-1998; 98US-0088876P.
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XX 16-SEP-1998; 98WO-US019330.
XX 17-SEP-1998; 98WO-US019437.
XX 07-OCT-1998; 98WO-US021141.
XX 01-DEC-1998; 98WO-US025108.
XX 05-JAN-1999; 99WO-US000106.
XX 08-MAR-1999; 99WO-US005028.
XX 02-JUN-1999; 99WO-US012252.
XX 15-SEP-1999; 99WO-US021090.
XX 15-SEP-1999; 99WO-US021547.
XX 30-NOV-1999; 99WO-US028313.
XX 01-DEC-1999; 99WO-US028301.

PR 01-DEC-1999; 99WO-US028634.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 06-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 22-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006819.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 30-MAR-2000; 2000WO-US008439.
PR 15-MAY-2000; 2000WO-US013359.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUN-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023928.
PR 08-NOV-2000; 2000WO-US030952.
PR 01-DEC-2000; 2000WO-US032678.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-JUN-2001; 2001WO-US017800.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 28-AUG-2001; 2001US-00941992.

XX (GETH) GENENTECH LTD.

XX Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
PI Ferrara N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi UC, Gurney AL, Kijavrin IU, Napier MA, Pan U, Paoni NP;
PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;
PI Zhang Z;
XX
XX WPI; 2003-102117/09.
DR N-PSDB; ABX64178.

XX Novel secreted and transmembrane polypeptide for modulating biological
PT activity of cell expressing the polypeptide, identifying biological
PT antagonists of polypeptide, and as molecular weight markers.

XX Claim 12; Fig 254; 649pp; English.

XX The present invention relates to the isolation of novel human PRO
CC polypeptides, and the polynucleotide sequences encoding them. The PRO
CC polypeptides are secreted and transmembrane proteins. The PRO
CC polypeptides are useful for detecting other PRO polypeptides, for linking
CC bioactive molecules to cells expressing PRO polypeptides, for modulating
CC biological activities of cells expressing PRO polypeptides, and for for
CC identifying agonists or antagonists. The polynucleotide sequences
CC encoding PRO polypeptides are useful as hybridisation probes, in
CC chromosome and gene mapping, in the generation of antisense RNA and DNA,
CC in the preparation of PRO polypeptides, for generating transgenic animals
CC or knockout animals, to construct hybridisation probes for mapping the
CC gene which encodes the PRO polypeptide, and for the genetic analysis of
CC individuals with genetic disorders, in gene therapy, for chromosome
CC identification, as chromosome markers, and for generating probes for PCR,
CC Northern analysis, Southern analysis and Western analysis. ABU1860-
CC ABU1860 represent the human PRO polypeptides of the invention. Note: The
CC sequence data for this patent was obtained in electronic format directly
CC from the USPTO web site at seqdata.uspto.gov/psipdsidentry.html

XX Sequence 135 AA;

Query March 80.2%; Score 97; DB 6; Length 135;
Best Local Similarity 100.0%; Pred. No. 7.4e-88;

Matches	97; Conservative	0; Mismatches	0; Indels	0; Gaps	0;
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Db	1	MRIMLFTALIAEFLASFGAVCKEPOEYVPGGGRKRPDIYQLQLRFLKSHSLEGL	60		
QY	61	LKALSOASTDPKESPEKRDMDHFFVGLMGKRSVCP	97		
Db	61	LKALSOASTDPKESPEKRDMDHFFVGLMGKRSVCP	97		
RESULT 39					
ID	ABU85799	standard; protein; 135 AA.			
XX	ABU85799;				
AC	ABU85799;				
XX	02-JUL-2003	(first entry)			
DE	Human PRO polypeptide #222.				
XX	Human; PRO; secreted polypeptide; transmembrane polypeptide;				
XX	tumour necrosis factor alpha; TNF-alpha; chondrocyte cell; tumour;				
XX	cytostatic.				
OS	Homo sapiens.				
XX	US2003036140-A1.				
XX	20-FEB-2003.				
XX	01-JUL-2002; 2002US-00187588.				
XX	26-JUN-1998; 98US-00105413.				
XX	16-SEP-1998; 98WO-US019330.				
XX	07-OCT-1998; 98US-00168978.				
XX	07-OCT-1998; 98WO-US021141.				
XX	06-NOV-1998; 98US-00187368.				
XX	01-DEC-1998; 98WO-US025108.				
XX	07-DEC-1998; 98US-00202054.				
XX	03-MAR-1999; 99US-00254311.				
XX	08-MAR-1999; 99WO-US005028.				
XX	14-MAY-1999; 99US-00311832.				
XX	14-MAY-1999; 99WO-US010733.				
XX	02-JUN-1999; 99WO-US012252.				
XX	23-AUG-1999; 99US-00380137.				
XX	25-AUG-1999; 99US-00380138.				
XX	25-AUG-1999; 99US-00380139.				
XX	01-SEP-1999; 99US-00380142.				
XX	01-SEP-1999; 99WO-US020111.				
XX	15-SEP-1999; 99WO-US021090.				
XX	18-OCT-1999; 99US-00403297.				
XX	12-NOV-1999; 99US-00423844.				
XX	01-DEC-1999; 99WO-US028501.				
XX	02-DEC-1999; 99WO-US028551.				
XX	30-DEC-1999; 99WO-US031274.				
XX	05-JAN-2000; 2000WO-US000219.				
XX	18-FEB-2000; 2000WO-US004341.				
XX	18-FEB-2000; 2000WO-US004342.				
XX	22-FEB-2000; 2000WO-US004414.				
XX	24-FEB-2000; 2000WO-US005004.				
XX	01-MAR-2000; 2000WO-US005601.				
XX	02-MAR-2000; 2000WO-US005841.				
XX	15-MAR-2000; 2000WO-US006884.				
XX	30-MAR-2000; 2000WO-US008439.				
XX	17-MAY-2000; 2000WO-US013705.				
XX	22-MAY-2000; 2000WO-US014042.				
XX	30-MAY-2000; 2000WO-US014941.				
XX	02-JUN-2000; 2000WO-US015264.				
XX	28-JUL-2000; 2000WO-US020710.				
XX	22-AUG-2000; 2000WO-US021066.				
XX	18-SEP-2000; 2000US-00664610.				

PR 18-SEP-2000; 2000US-00665350.
PR 08-NOV-2000; 2000US-00709238.
PR 08-NOV-2000; 2000MO-US030952.
PR 01-DEC-2000; 2000MO-US032679.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000MO-US034956.
PR 28-FEB-2001; 2001MO-US006520.
PR 22-MAR-2001; 2001US-00816744.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 25-MAY-2001; 2001US-00866028.
PR 01-JUN-2001; 2001MO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 20-JUN-2001; 2001MO-US019692.
PR 29-JUN-2001; 2001MO-US021066.
PR 09-JUL-2001; 2001MO-US021735.
PR 18-JUL-2001; 2001US-00908827.
PR 30-JUL-2001; 2001US-00918585.
PR 06-AUG-2001; 2001US-00924419.
PR 13-AUG-2001; 2001US-00929404.
PR 16-AUG-2001; 2001US-00931836.
PR 28-AUG-2001; 2001US-00941992.
PR 29-AUG-2001; 2001MO-US027099.
PR 04-SEP-2001; 2001US-00946374.
PR 15-JAN-2002; 2002US-00052586.
XX
XX
XX (GENTH) GENENTECH INC.
XX
XX Baker KP, Chen J, Desnoyers L, Goddard A, Godowski PJ, Gurney AL;
PI Pan J, Smith V, Watanabe CK, Wood WI, Zhang Z;
XX
XX WPI; 2003-332028/31.
XX N-PSDB; ACA72992.
XX
XX Three hundred and five nucleic acids encoding PRO polypeptides, useful
PT for the manufacture of a medicament for diagnosing or treating tumor.
XX
XX Claim 11; Fig 444; 707pp; English.
XX
XX The invention relates to human PRO polypeptides (secreted and
CC transmembrane polypeptides) and the PRO polynucleotides encoding them.
CC The invention also relates to a method for stimulating the release of
CC tumor necrosis factor alpha (TNF-alpha) from human blood by contacting
CC the blood with a sequence of the invention, a method for stimulating the
CC proliferation or differentiation of chondrocyte cells by contacting the
CC cells with a PRO polypeptide and a method for detecting the presence of a
CC tumor in a mammal. The polypeptides and polynucleotides are useful for
CC the manufacture of a medicament for diagnosing or treating a tumour in a
CC mammal. Sequences ABU85578-ABU85882 represent human PRO polypeptides of
CC the invention. Note: The sequence data for this patent is also available
CC in electronic format from USPTO at seqdata.uspto.gov/sequence.html
XX
XX Sequence 135 AA;
SQ
Query Match 80.2%; Score 97; DB 6; Length 135;
Best Local Similarity 100.0%; Pred. No. 7,44e-86;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

DT 01-AUG-2003 (first entry)
XX
XX
DE Novel human secreted and transmembrane protein PRO1155.
XX
XX Human; secreted and transmembrane protein; PRO; cytosolic; gene therapy;
XX chondrocyte stimulator; tumour; adrenal tumour; lung tumour;
XX colon tumour; breast tumour; prostate tumour; rectal tumour;
XX cervical tumour; liver tumour; TNF-alpha release;
XX tumour necrosis factor alpha release; chondrocyte cell proliferation;
XX chondrocyte cell differentiation; pharmaceutical; diagnostic; biosensor;
XX bioreactor.
XX
XX Homo sapiens.
XX
XX US2003013153-A1.
XX
XX 16-JAN-2003.
PD
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XX 19-JUN-2002; 2002US-00175737.
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Query Match 80.2%; Score 97; DB 6; Length 135;
Best Local Similarity 100.0%; Pred. No. 7.4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 LKALSOASTDPKSTSPKRDMDFFVGLMGKRSVQ 97
DB 61 LKALSOASTDPKSTSPKRDMDFFVGLMGKRSVQ 97

RESULT 41
ABU98174
ID ABU98174 standard; protein; 135 AA.

XX ABU98174;
AC
XX
DT 30-JUN-2003 (first entry)
XX
DE Novel human secreted and transmembrane protein Prol155.

XX Human: secreted and transmembrane protein; PRO; cytosolic; gene therapy;
KW chondrocyte stimulator; tumour; adrenal tumour; lung tumour;
KW colon tumour; breast tumour; prostate tumour; rectal tumour;
KW cervical tumour; liver tumour; chromosome identification.
XX Homo sapiens.
XX US2003017544-A1.
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Best Local Similarity 100.0%; Pred. No. 7,4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 42
ABU91880
ID ABU91880 standard; protein; 135 AA.

XX AC ABU91880;

XX DT 11-AUG-2003 (first entry)

XX DE Novel human secreted and transmembrane protein PRO1155.

XX KM Human; gene therapy; chromosome identification; tissue typing.

OS Homo sapiens.
XX US2003027277-A1.
XX 06-FEB-2003.
PF 21-JUN-2002; 2002US-00176985.
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XX 04-JUN-1998; 98US-0088028P.
XX 04-JUN-1998; 98US-0088029P.


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Query Match 80.2%; Score 97; DB 6; Length 135;
Best Local Similarity 100.0%; Pred. No. 7,4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 43
ABU89573 standard; protein; 135 AA.
ID ABU89573
XX ABU89573;
AC
XX
XX 09-JUL-2003 (first entry)
DT
XX
XX Human PRO polypeptide #222.
DE
XX
XX Human; PRO polypeptide; secreted protein; transmembrane protein;
KW chromosome mapping; gene mapping; tumour; adrenal; lung; colon; breast;
KW prostate; rectal; cervical; liver; cancer; TNF-alpha;
KW tumour necrosis factor-alpha; proliferation; differentiation;
KW chondrocyte cell; bone disorder; cartilage disorder; sports injury;

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KM arthritis; cytostatic; antiarthritic; osteopathic.
XX
OS Homo sapiens.
XX
PN US2003036141-A1.
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PD 20-FEB-2003.
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Query Match 80.2%; Score 97; DB 6; Length 135;
Best Local Similarity 100.0%; Pred. No. 7.4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 44
ABU86414
ID ABU86414 standard; protein; 135 AA.
XX
AC ABU86414;
XX
DT 01-JUL-2003 (first entry)
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DE Human secreted/transmembrane protein (PRO) #222.
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XX Human; immunogen; secreted protein; transmembrane protein; PRO; tumour;
KW proliferation; differentiation; chondrocyte cells;
XM tumour necrosis factor-alpha; TNF-alpha; blood; gene therapy.

OS Homo sapiens.
XX
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PN US2003036146-A1.
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PD 20-FEB-2003.
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XX 02-JUL-2002; 2002US-00187603.
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PR 06-AUG-2001; 2001US-00924419.
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PR 29-AUG-2001; 2001WO-US027099.
PR 04-SEP-2001; 2001US-00946374.
PR 15-JAN-2002; 2002US-00052586.
(GETH) GENENTECH INC.
PA
XX
XX Baker KP, Chen J, Desnoyers L, Goddard A, Godowski PJ, Garney AL;
PI

PI Pan J, Smith V, Watanabe CK, Wood WI, Zhang Z;
 XX WPI; 2003-332034/31.
 DR N-PSDB; ACA73606.
 XX

PT Three hundred and five nucleic acids encoding PRO polypeptides, useful in
 PT gene therapy, chromosome identification, tissue typing, and for detecting
 PT the presence of tumor in a mammal.
 XX
 XX

PS Claim 11; Fig 444; 707pp; English.
 XX

CC The invention relates to three hundred and five nucleic acids encoding
 CC PRO polypeptides (secreted and transmembrane) sequences 80% identical to
 CC them, or encoding a PRO polypeptide lacking its associated signal peptide
 CC or an extracellular domain of the PRO polypeptide, with or lacking its
 CC associated signal peptide. Also included are the encoded PRO proteins,
 CC PRO expression vectors, host cells transformed with the vector (used to
 CC produce PRO proteins), a chimeric molecule comprising the PRO
 CC polypeptide fused to a heterologous amino acid sequence, an anti-PRO
 CC antibody, a method for stimulating the release of tumor necrosis factor
 CC alpha (TNF-alpha) from human blood (by contacting the blood with PRO1079,
 CC PRO827, PRO791, PRO131, PRO136, PRO183, PRO1343, PRO1760, PRO1567, or
 CC PRO4333), a method for stimulating the proliferation or differentiation
 CC of chondrocyte cells by contacting the cells with a PRO6029 polypeptide,
 CC a method for detecting the presence of tumor in a mammal and an
 CC oligonucleotide probe derived from any of the nucleotide sequences cited
 CC above. The PRO polypeptide or anti-PRO antibody is useful for preparing a
 CC medicament for treating a condition that is responsive to the PRO
 CC polypeptide or anti-PRO antibody. The PRO nucleotide sequences are useful
 CC as hybridisation probes in chromosome and gene mapping, or in generating
 CC antisense RNA and DNA. PRO nucleic acids are also useful in preparing PRO
 CC polypeptides, in assays to identify other proteins or molecules involved
 CC in a binding reaction, to generate transgenic animals or knockout
 CC animals, which in turn are useful in the development and screening of
 CC therapeutically useful reagents for chromosome identification, and
 CC tissue typing. The PRO polypeptides and nucleic acid molecules are also
 CC useful for detecting the presence of a tumour in a mammal, stimulating
 CC proliferation or differentiation of chondrocyte cells, stimulating the
 CC release of tumour necrosis factor-alpha from human blood, in gene
 CC therapy, or as molecular weight markers for protein electrophoresis
 CC purposes. The anti-PRO antibodies may be used in diagnostic assays for
 CC PRO, or for the affinity purification of PRO from recombinant cell
 CC culture or natural sources. The present sequence represents a PRO protein
 CC
 XX
 SQ Sequence 135 AA;

Query Match 80.2%; Score 97; DB 6; Length 135;
 Best Local Similarity 100.0%; Pred. No. 7, 4e-88;
 Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLTALIFSLAOSFGAVCKEPOEEVVPGGGSKRDPDIYOLLORLFKSHSLDEL 60
 DB 1 MRIMLTALIFSLAOSFGAVCKEPOEEVVPGGGSKRDPDIYOLLORLFKSHSLDEL 60
 QY 61 LKALSOASTDPKSTSPKRDMDHDFVGLMGKRSVOP 97
 DB 61 LKALSOASTDPKSTSPKRDMDHDFVGLMGKRSVOP 97

RESULT 45
 ABU67627
 ID ABU67627 standard; protein; 135 AA.
 XX
 AC ABU67627;

XX 29-MAY-2003 (first entry)

DE Human secreted/transmembrane protein (PRO) #222.
 XX

KW Human; secreted and transmembrane protein; PRO; TNF-alpha;
 KW tumour necrosis factor alpha; chondrocyte cell; tumour; gene therapy;
 KW tissue typing.
 XX

OS Homo sapiens.

XX US2003036162-A1.

XX 20-FEB-2003.

PF 12-JUL-2002; 2002US-00194423.

XX 26-JUN-1998; 98US-00105413.

PR 16-SEP-1998; 98WO-US015330.

PR 07-OCT-1998; 98US-00168978.

PR 07-OCT-1998; 98WO-US021141.

PR 06-NOV-1998; 98US-00187368.

PR 01-DEC-1998; 98WO-US025108.

PR 07-DEC-1998; 98US-00202054.

PR 03-MAR-1999; 99US-00254311.

PR 08-MAR-1999; 99WO-US005028.

PR 14-MAY-1999; 99US-00311832.

PR 14-MAY-1999; 99WO-US010733.

PR 02-JUN-1999; 99WO-US012252.

PR 25-AUG-1999; 99US-00380137.

PR 25-AUG-1999; 99US-00380138.

PR 25-AUG-1999; 99US-00380139.

PR 25-AUG-1999; 99US-00380142.

PR 01-SEP-1999; 99WO-US020111.

PR 15-SEP-1999; 99WO-US021090.

PR 18-OCT-1999; 99US-00403297.

PR 12-NOV-1999; 99US-00423844.

PR 01-DEC-1999; 99WO-US028301.

PR 02-DEC-1999; 99WO-US028551.

PR 30-DEC-1999; 99WO-US031274.

PR 05-JAN-2000; 2000WO-US000219.

PR 18-FEB-2000; 2000WO-US004341.

PR 18-FEB-2000; 2000WO-US004414.

PR 22-FEB-2000; 2000WO-US005601.

PR 24-FEB-2000; 2000WO-US005601.

PR 01-MAR-2000; 2000WO-US005841.

PR 02-MAR-2000; 2000WO-US006884.

PR 15-MAR-2000; 2000WO-US008439.

PR 30-MAR-2000; 2000WO-US013705.

PR 17-MAY-2000; 2000WO-US014042.

PR 22-MAY-2000; 2000WO-US014941.

PR 30-MAY-2000; 2000WO-US015264.

PR 02-JUN-2000; 2000WO-US020710.

PR 28-JUN-2000; 2000US-00644848.

PR 22-AUG-2000; 2000WO-US023328.

PR 18-SEP-2000; 2000US-00664510.

PR 18-SEP-2000; 2000US-00665350.

PR 08-NOV-2000; 2000US-00709238.

PR 08-NOV-2000; 2000WO-US030952.

PR 01-DEC-2000; 2000WO-US032678.

PR 20-DEC-2000; 2000US-00747259.

PR 20-DEC-2000; 2000WO-US034956.

PR 28-FEB-2001; 2001WO-US006520.

PR 22-MAR-2001; 2001US-00816744.

PR 10-MAY-2001; 2001US-00854288.

PR 10-MAY-2001; 2001US-00854280.

PR 25-MAY-2001; 2001US-00866028.

PR 01-JUN-2001; 2001WO-US017800.

PR 05-JUN-2001; 2001US-00874503.

PR 20-JUN-2001; 2001WO-US019692.

PR 29-JUN-2001; 2001WO-US021066.

PR 09-JUL-2001; 2001US-00908827.

PR 18-JUL-2001; 2001US-00908827.

PR 30-JUL-2001; 2001US-00918585.

PR 06-AUG-2001; 2001US-00924419.

PR 13-AUG-2001; 2001US-00929404.

PR 16-AUG-2001; 2001US-00931836.

PR 28-AUG-2001; 2001US-00941982.

PR 29-AUG-2001; 2001WO-US027099.

PR 04-SEP-2001; 2001US-00946374.

PR 15-JAN-2002; 2002US-00052586.

XX (GENTH) GENENTECH INC.
PA Baker KP, Chen J, Desnoyers L, Goddard A, Godowski PJ, Gurney AL,
XX Pan J, Smith V, Watanabe CK, Wood WI, Zhang Z;
PI WPI; 2003-332039/31.
XX N-PSDB; ACA05921.
DR New secreted and transmembrane PRO polypeptides and nucleic acids, useful
XX in gene therapy, in chromosome and gene mapping, as chromosome markers,
PT in tissue typing, and in chromosome identification.
PS Claim 11; Fig 444; 706bp; English.
XX
CC The invention discloses human nucleic acids encoding secreted and
CC transmembrane (PRO) polypeptides. Also disclosed is an antibody that
CC specifically binds to the PRO polypeptide, a method for stimulating the
CC release of tumour necrosis factor alpha (TNF-alpha) from human blood by
CC contacting the blood a PRO polypeptide, a method for stimulating the
CC proliferation or differentiation of chondrocyte cells by contacting the
CC cells with a PRO polypeptide, a method for detecting the presence of a
CC tumour in a mammal and an oligonucleotide probe derived from any of the
CC PRO nucleotide sequences. The nucleotide sequences are useful as probes,
CC in chromosome and gene mapping, in generating antisense RNA and DNA, in
CC preparing PRO polypeptides by recombinant techniques and in gene therapy
CC (e.g. for replacement of defective gene). The PRO polypeptides are useful
CC as molecular weight markers for protein electrophoresis purposes, for
CC chromosome identification, as chromosome markers, as therapeutic agents,
CC for stimulating the release of TNF-alpha from human blood, for
CC stimulating the proliferation or differentiation of chondrocytes and
CC detecting the presence of a tumour. The PRO polypeptides and nucleic
CC acids may also be used diagnostically for tissue typing. The sequences
CC presented in ABU67406-ABU67710 are the PRO polypeptides of the invention
XX
SQ Sequence 135 AA;
Query Match 80.2%; Score 97; DB 6; Length 135;
Best Local Similarity 100.0%; Pred. No. 7.4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MRIMLLFTAILAFSLAQSGAVCKEPEQEVVPGGGRKRDPLYQLQRLFSHSLSGL 60
Db 1 MRIMLLFTAILAFSLAQSGAVCKEPEQEVVPGGGRKRDPLYQLQRLFSHSLSGL 60
QY 61 LKALSQASTDPKEKSTSPERKDMHDFVGLMKRSYQP 97
Db 61 LKALSQASTDPKEKSTSPERKDMHDFVGLMKRSYQP 97
RESULT 46
ABU80655
ID ABU80655 standard; protein; 135 AA.
XX
AC ABU80655;
XX
DT 23-JUN-2003 (first entry)
XX
DE Human PRO protein #222.
XX
KW Human tumour; adrenal; lung; colon; breast; prostate; rectal; cervical;
XX liver; PRO; gene therapy.
OS Homo sapiens.
XX
PN US2003036137-A1.
XX
PD 20-FEB-2003.
XX
PF 27-JUN-2002; 2002US-00184640.
XX
PR 26-JUN-1998; 98US-00105413.
XX 16-SEP-1998; 98WO-US019330.

PR 07-OCT-1998; 98US-00168978.
PR 07-OCT-1998; 98WO-US021141.
PR 06-NOV-1998; 98US-00187368.
PR 01-DEC-1998; 98WO-US025108.
PR 07-DEC-1998; 98US-00202054.
PR 03-MAR-1999; 98US-00254311.
PR 08-MAR-1999; 98WO-US005028.
PR 14-MAY-1999; 98US-00311832.
PR 14-MAY-1999; 98WO-US010733.
PR 02-JUN-1999; 98WO-US012252.
PR 25-AUG-1999; 99US-00380137.
PR 25-AUG-1999; 99US-00380138.
PR 25-AUG-1999; 99US-00380139.
PR 25-AUG-1999; 99US-00380142.
PR 01-SEP-1999; 99US-00380142.
PR 15-SEP-1999; 99WO-US021090.
PR 18-OCT-1999; 99US-00403297.
PR 12-NOV-1999; 99US-00423844.
PR 01-DEC-1999; 99WO-US028551.
PR 02-DEC-1999; 99WO-US028551.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005841.
PR 15-MAR-2000; 2000WO-US006884.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUN-2000; 2000WO-US020710.
PR 22-AUG-2000; 2000US-00644848.
PR 24-AUG-2000; 2000WO-US023328.
PR 18-SEP-2000; 2000US-00664610.
PR 18-SEP-2000; 2000US-00665350.
PR 08-NOV-2000; 2000US-00709238.
PR 08-NOV-2000; 2000WO-US030952.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001WO-US006520.
PR 22-MAR-2001; 2001US-00816744.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 08-NOV-2001; 2000US-00709238.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 25-MAY-2001; 2001US-00866028.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 18-JUL-2001; 2001US-00908827.
PR 30-JUL-2001; 2001US-00918585.
PR 06-AUG-2001; 2001US-00924419.
PR 13-AUG-2001; 2001US-00929404.
PR 16-AUG-2001; 2001US-00931836.
PR 28-AUG-2001; 2001US-00941992.
PR 29-AUG-2001; 2001WO-US027099.
PR 04-SEP-2001; 2001US-00946374.
PR 15-JAN-2002; 2002US-00052586.
PA (GENTH) GENENTECH INC.
XX
XX Baker KP, Chen J, Desnoyers L, Goddard A, Godowski PJ, Gurney AL,
PI Pan J, Smith V, Watanabe CK, Wood WI, Zhang Z;
XX WPI; 2003-342038/32.
XX N-PSDB; ACA66755.
XX
XX Three hundred and five nucleic acids encoding secreted and transmembrane

PRO polypeptides, useful for the diagnosis, prevention and/or treatment of tumors, such as adrenal, lung, colon, breast, prostate, rectal, cervical or liver tumors.

XX
PS Claim 11, Fig 444, 708pp; English.

XX
CC The invention relates to three hundred and five nucleic acids encoding PRO polypeptides (secreted and transmembrane). Methods and compositions of the present invention are useful for the diagnosis, prevention and/or treatment of tumors, such as adrenal, lung, colon, breast, prostate, rectal, cervical or liver tumors. The PRO polypeptides are also useful as molecular weight markers, or for chromosome identification. The PRO genes are useful as hybridisation probes, or for screening libraries of human cDNA, genomic DNA or mRNA. The PRO genes may also be used in gene therapy, particularly for replacing a defective gene. The present sequence represents a human PRO polypeptide of the invention

XX
SQ Sequence 135 AA.

Query Match 80.2%; Score 97; DB 6; Length 135;
Best Local Similarity 100.0%; Pred. No. 7,4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTALIASLQSGAVGCKEPOEYVPGGSKXDPDYQLORLFSKSSLEGL 60
1 MRIMLFTALIASLQSGAVGCKEPOEYVPGGSKXDPDYQLORLFSKSSLEGL 60
Db 1 MRIMLFTALIASLQSGAVGCKEPOEYVPGGSKXDPDYQLORLFSKSSLEGL 60
61 LKALSQASTDPKESSTPEKXDMHDFVGLMGKRSVOP 97
61 LKALSQASTDPKESSTPEKXDMHDFVGLMGKRSVOP 97

Db 61 LKALSQASTDPKESSTPEKXDMHDFVGLMGKRSVOP 97

RESULT 47
ABU72553
ID ABU72553 standard; protein; 135 AA.
XX
AC ABU72553;
XX
DT 17-JUN-2003 (first entry)

XX
DE Novel human secreted and transmembrane protein PRO1155.
XX
KW Human; secreted and transmembrane protein; cytosolic; anti-HIV; virucide; hepatotropic; antiinflammatory; neuroprotective; gene therapy; PRO; pharmaceutical; diagnostic; biosensor; bioindicator; malignancy; cancer; ovarian cancer; colorectal cancer; Kaposi's sarcoma; leukemia; lymphoma; hepatitis B; multiple sclerosis; Crohn's disease;
KM drug screening.
XX
XX Homo sapiens.
XX
XX US2003003531-A1.
XX
XX 02-JAN-2003.
XX
XX 19-NOV-2001; 2001US-00989734.
XX
XX 16-JUN-1997; 97US-0049787P.
XX 17-OCT-1997; 97US-0062250P.
XX 05-NOV-1997; 97WO-US020069.
XX 12-NOV-1997; 97US-0065186P.
XX 13-NOV-1997; 97US-0065311P.
XX 24-NOV-1997; 97US-0066770P.
XX 25-FEB-1998; 98US-0075945P.
XX 20-MAR-1998; 98US-0078910P.
XX 28-APR-1998; 98US-0083322P.
XX 07-MAY-1998; 98US-0084600P.
XX 28-MAY-1998; 98US-0087106P.
XX 02-JUN-1998; 98US-0087607P.
XX 02-JUN-1998; 98US-0087759P.
XX 03-JUN-1998; 98US-0087827P.
XX 04-JUN-1998; 98US-0088021P.

PR 04-JUN-1998; 98US-0088025P.
PR 04-JUN-1998; 98US-0088026P.
PR 04-JUN-1998; 98US-0088028P.
PR 04-JUN-1998; 98US-0088029P.
PR 04-JUN-1998; 98US-0088030P.
PR 04-JUN-1998; 98US-0088032P.
PR 04-JUN-1998; 98US-0088036P.
PR 05-JUN-1998; 98US-0088107P.
PR 05-JUN-1998; 98US-0088202P.
PR 05-JUN-1998; 98US-0088212P.
PR 05-JUN-1998; 98US-0088217P.
PR 09-JUN-1998; 98US-0088655P.
PR 10-JUN-1998; 98US-0088732P.
PR 10-JUN-1998; 98US-0088738P.
PR 10-JUN-1998; 98US-0088742P.
PR 10-JUN-1998; 98US-0088810P.
PR 10-JUN-1998; 98US-0088824P.
PR 10-JUN-1998; 98US-0088826P.
PR 11-JUN-1998; 98US-0088858P.
PR 11-JUN-1998; 98US-0088861P.
PR 11-JUN-1998; 98US-0088876P.
PR 12-JUN-1998; 98US-0089105P.
PR 12-JUN-1998; 98US-0089440P.
PR 16-JUN-1998; 98US-0089512P.
PR 16-JUN-1998; 98US-0089514P.
PR 17-JUN-1998; 98US-0089532P.
PR 17-JUN-1998; 98US-0089536P.
PR 17-JUN-1998; 98US-0089598P.
PR 17-JUN-1998; 98US-0089599P.
PR 17-JUN-1998; 98US-0089600P.
PR 17-JUN-1998; 98US-0089653P.
PR 18-JUN-1998; 98US-0089801P.
PR 18-JUN-1998; 98US-0089907P.
PR 18-JUN-1998; 98US-0089908P.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 01-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 02-JUN-1999; 99WO-US012252.
PR 13-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 30-NOV-1999; 99WO-US028313.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 05-JAN-2000; 2000WO-US000219.
PR 11-FEB-2000; 2000WO-US003376.
PR 18-FEB-2000; 2000WO-US003365.
PR 22-FEB-2000; 2000WO-US004341.
PR 24-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 02-MAR-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 30-MAR-2000; 2000WO-US008439.
PR 15-MAY-2000; 2000WO-US013358.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023328.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 01-DEC-2000; 2000WO-US032678.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-JUN-2001; 2001WO-US017800.

PR 20-JUN-2001; 2001MO-US019692.
PR 29-JUN-2001; 2001MO-US021066.
PR 09-JUL-2001; 2001MO-US021735.
PR 28-AUG-2001; 2001US-00941992.
XX
PA (GETH) GENENTECH INC.
XX
XX Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL,
PI Ferrara NJ, Fong S, Gettelson ME, Goddard A, Godowski PJ,
PI Grimaldi JC, Gurney AL, Kljavin IJ, Napier MA, Pan J, Paoni NF,
PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI,
PI Zhang Z;
XX
XX WPI: 2003-352829/33.
DR N-PSDB; AC64400.
XX
XX New genes and secreted and transmembrane polypeptides (e.g. PRO183 or
PT PRO184), useful for treating or diagnosing e.g. ovarian cancer, Kaposi's
PT sarcoma, leukemia, lymphoma, hepatitis B, multiple sclerosis or Crohn's
PT disease.
XX
XX Claim 12; Fig 254; 663pp; English.
XX
XX The invention describes a new isolated nucleic acid molecule comprising
CC the full length coding sequence of the DNA deposited with the American
CC Type Culture Collection (e.g. ATCC Deposit No. 209621, 552-PTA, 819-PTA,
CC 209439, 203135, etc.) or a sequence with at least 80% identity to a DNA
CC encoding a PRO polypeptide. The PRO polypeptides or polynucleotides are
CC useful as pharmaceuticals, diagnostics, biosensors or bioeffectors. These
CC are particularly useful for detecting or treating e.g. malignancies or
CC cancers (e.g. ovarian cancer, colorectal cancer, Kaposi's sarcoma,
CC leukemia or lymphoma), hepatitis B, multiple sclerosis, or Crohn's
CC disease in mammals. The PRO polypeptides are useful in drug screening,
CC particularly as targets for therapeutic intervention in these diseases,
CC and in the diagnostic determination of the presence of these diseases.
CC The PRO polypeptides are also useful as molecular weight markers, or for
CC chromosome identification. The PRO genes are useful as hybridisation
CC probes, or for screening libraries of human cDNA, genomic DNA or mRNA.
CC The PRO genes may also be used in gene therapy, particularly for
CC replacing a defective gene. This is the amino acid sequence of a novel
CC human secreted and transmembrane PRO polypeptide
XX
XX
SQ Sequence 135 AA;
Query Match 80.2%; Score 97; DB 6; Length 135;
Best Local Similarity 100.0%; Pred. No. 7.4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MIMILFTILAFSLAQSGFQAEVWPGGGRSKDDPDLXQLQLFHSLSLGL 60
DB 1 MIMILFTILAFSLAQSGFQAEVWPGGGRSKDDPDLXQLQLFHSLSLGL 60
QY 61 LKALSQASTDPKESSTPEKRDMDHDFVGLMGKRSVOP 97
DB 61 LKALSQASTDPKESSTPEKRDMDHDFVGLMGKRSVOP 97
RESULT 48
ABR99573
ID ABR99573 standard; protein; 135 AA.
XX
AC ABR99573;
XX
XX 18-SEP-2003 (first entry)
XX
XX Human secreted polypeptide PRO1155, SEQ ID NO:444.
XX
XX KW Human; PRO; secreted protein; transmembrane protein;
KW extracellular domain; tumour necrosis factor-alpha; TNF-alpha;
KW chondrocyte; proliferation; differentiation; cartilage disorder;
KW bone disorder; arthritis; sports injury; cancer; tumour; diagnosis;
KW adrenal tumour; lung; colon; breast; prostate; kidney; rectum; cervix;
KW liver; drug screening; transgenic animal; genetic analysis;

KM antiarthritic; vulnery; gene therapy.
XX
XX Homo sapiens.
OS
XX
XX US2003040063-A1.
XX
XX 27-FEB-2003.
XX
XX 26-JUN-2002; 2002US-00183006.
XX
XX 18-SEP-1997; 97US-0059263P.
XX 18-SEP-1997; 97US-0059266P.
XX 17-OCT-1997; 97US-0062250P.
XX 21-OCT-1997; 97US-0063486P.
XX 24-OCT-1997; 97US-0063120P.
XX 24-OCT-1997; 97US-0063121P.
XX 28-OCT-1997; 97US-0063540P.
XX 28-OCT-1997; 97US-0063541P.
XX 28-OCT-1997; 97US-0063544P.
XX 28-OCT-1997; 97US-0063545P.
XX 29-OCT-1997; 97US-0063734P.
XX 31-OCT-1997; 97US-0063737P.
XX 31-OCT-1997; 97US-0064103P.
XX 13-NOV-1997; 97US-0065311P.
XX 21-NOV-1997; 97US-0066120P.
XX 24-NOV-1997; 97US-0066466P.
XX 24-NOV-1997; 97US-0066772P.
XX 11-DEC-1997; 97US-0069335P.
XX 12-DEC-1997; 97US-0069425P.
XX 17-DEC-1997; 97US-0069870P.
XX 18-DEC-1997; 97US-0068017P.
XX 10-MAR-1998; 98US-0077450P.
XX 11-MAR-1998; 98US-0077632P.
XX 11-MAR-1998; 98US-0077649P.
XX 20-MAR-1998; 98US-0078886P.
XX 20-MAR-1998; 98US-0078939P.
XX 27-MAR-1998; 98US-0079664P.
XX 27-MAR-1998; 98US-0079786P.
XX 31-MAR-1998; 98US-0080107P.
XX 31-MAR-1998; 98US-0080194P.
XX 01-APR-1998; 98US-0080327P.
XX 01-APR-1998; 98US-0080333P.
XX 08-APR-1998; 98US-0081049P.
XX 08-APR-1998; 98US-0081070P.
XX 09-APR-1998; 98US-0081195P.
XX 15-APR-1998; 98US-0081838P.
XX 21-APR-1998; 98US-0082568P.
XX 21-APR-1998; 98US-0082569P.
XX 22-APR-1998; 98US-0082704P.
XX 22-APR-1998; 98US-0082797P.
XX 28-APR-1998; 98US-0083322P.
XX 29-APR-1998; 98US-0083495P.
XX 29-APR-1998; 98US-0083496P.
XX 29-APR-1998; 98US-0083499P.
XX 29-APR-1998; 98US-0083559P.
XX 05-MAY-1998; 98US-0084366P.
XX 06-MAY-1998; 98US-0084414P.
XX 07-MAY-1998; 98US-0084639P.
XX 07-MAY-1998; 98US-0084640P.
XX 07-MAY-1998; 98US-0084643P.
XX 15-MAY-1998; 98US-0085579P.
XX 15-MAY-1998; 98US-0085680P.
XX 15-MAY-1998; 98US-0085682P.
XX 15-MAY-1998; 98US-0085700P.
XX 18-MAY-1998; 98US-0086023P.
XX 22-MAY-1998; 98US-0086322P.
XX 22-MAY-1998; 98US-0086486P.
XX 28-MAY-1998; 98US-0087098P.
XX 28-MAY-1998; 98US-0087208P.
XX 02-JUN-1998; 98US-0087609P.
XX 02-JUN-1998; 98US-0087759P.
XX 03-JUN-1998; 98US-0087827P.
XX 04-JUN-1998; 98US-0088025P.

PR 04-JUN-1998; 98US-0088028P.
PR 04-JUN-1998; 98US-0088029P.
PR 04-JUN-1998; 98US-0088033P.
PR 04-JUN-1998; 98US-0088326P.
PR 05-JUN-1998; 98US-0088167P.
PR 05-JUN-1998; 98US-0088202P.
PR 05-JUN-1998; 98US-0088212P.
PR 05-JUN-1998; 98US-0088217P.
PR 05-JUN-1998; 98US-0088655P.
PR 10-JUN-1998; 98US-0088722P.
PR 10-JUN-1998; 98US-0088738P.
PR 10-JUN-1998; 98US-0088740P.
PR 10-JUN-1998; 98US-0088841P.
PR 10-JUN-1998; 98US-0088842P.
PR 10-JUN-1998; 98US-0088825P.
PR 10-JUN-1998; 98US-0088826P.
PR 11-JUN-1998; 98US-0088861P.
PR 11-JUN-1998; 98US-0088863P.
PR 11-JUN-1998; 98US-0088867P.
PR 12-JUN-1998; 98US-0089090P.
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XX ABR98963;

DT 17-SEP-2003 (first entry)

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XX Human, PRO, secreted protein; transmembrane protein;
XX extracellular domain; tumour necrosis factor-alpha; TNF-alpha;
XX chondrocyte; proliferation; differentiation; cartilage disorder;
XX bone disorder; arthritis; sports injury; cancer; tumour; diagnosis;
XX adrenal tumour; lung; colon; breast; prostate; kidney; rectum; cervix;
XX liver; drug screening; transgenic animal; genetic analysis;
XX antiarthritic; vulnery; gene therapy.

OS Homo sapiens.

Wed Jul 21 12:15:30 2004

us-09-853-161-68.01130.rag

XX US2003040064-A1.
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PD 27-FEB-2003.
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KW	Human; secreted and transmembrane protein; PRO; TNF-alpha;
KW	tumour necrosis factor alpha; chondrocyte cell; tumour; gene therapy;
KW	tissue typing; adrenal tumour; lung tumour; colon tumour; breast tumour;
KW	prostate tumour; rectal tumour; cervical tumour; liver tumour.
OS	Homo sapiens.
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PD	06-FEB-2003.
XX	
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PR 09-SEP-1998; 98US-0099602P.
PR 10-SEP-1998; 98US-0099741P.
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PR 10-SEP-1998; 98US-0099763P.

PR 10-SEP-1998; 98US-0099812P.
PR 15-SEP-1998; 98US-0100388P.
PR 16-SEP-1998; 98US-0100662P.
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PR 16-SEP-1998; 98US-01019330.
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PR 17-SEP-1998; 98US-0100930P.
PR 18-SEP-1998; 98US-0100849P.
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PR 23-SEP-1998; 98US-0101471P.
PR 23-SEP-1998; 98US-0101472P.
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PR 24-SEP-1998; 98US-0101738P.
PR 24-SEP-1998; 98US-0101739P.
PR 24-SEP-1998; 98US-0101743P.
PR 24-SEP-1998; 98US-0101922P.
PR 25-SEP-1998; 98US-0101786P.
PR 29-SEP-1998; 98US-0102207P.
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PR 29-SEP-1998; 98US-0102330P.
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Query Match 80.2%; Score 97; DB 6; Length 135;
Best Local Similarity 100.0%; Pred. No. 7.4e-68; Indels 0; Gaps 0;
Matches 97; Conservative 0; Mismatches 0;

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Qy 61 LKALSOASTPKESTSPKRDMDHFFVGLMGKRSVOP 97
Db 61 LKALSOASTPKESTSPKRDMDHFFVGLMGKRSVOP 97

Search completed: July 19, 2004, 20:51:16
Job time : 74 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: July 19, 2004, 20:51:23 ; Search time 46 Seconds
(without alignments)
822.170 Million cell updates/sec

Title: US-09-853-161-68

Perfect score: 121
Sequence: 1 MRMLFTLAFSLAQSFQ.....DVQENVPSGILKYPRAE 121

Scoring table: OLIGO
Gapop 60.0 , Gapext 60.0

Searched: 1285345 seqs, 312560633 residues

Word size : 30

Total number of hits satisfying chosen parameters: 719

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Listing first 1000 summaries

Database :

Published Applications AA:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	121	100.0	121	9	US-09-852-659A-68
3	121	100.0	121	9	US-09-852-797-68
4	121	100.0	121	12	US-10-058-993-68
5	121	100.0	137	12	US-10-276-774-2248
6	97	80.2	135	9	US-09-989-722-359
7	97	80.2	135	9	US-09-989-723-359
8	97	80.2	135	9	US-09-989-729-359
9	97	80.2	135	9	US-09-989-727-359
10	97	80.2	135	9	US-09-989-731-359
11	97	80.2	135	9	US-09-989-732-359
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13	97	80.2	135	9	US-09-990-442-359
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21	97	80.2	135	9	US-09-990-444-359	Sequence 359, App
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543	97	80.2	135	14	US-10-219-474-108	Sequence 108	App	616	97	80.2	135	14	US-10-187-739-444	Sequence 444	App
544	97	80.2	135	14	US-10-219-524-108	Sequence 108	App	617	97	80.2	135	14	US-10-206-907-444	Sequence 444	App
545	97	80.2	135	14	US-10-219-528-108	Sequence 108	App	618	97	80.2	135	14	US-10-223-083-170	Sequence 170	App
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 712 66 54.5 121 9 US-09-853-161-85 Sequence 85, Appl
 713 66 54.5 121 9 US-09-852-659A-85 Sequence 85, Appl
 714 66 54.5 121 9 US-09-852-797-85 Sequence 85, Appl
 715 66 54.5 121 9 US-10-058-993-85 Sequence 108, App
 716 36 29.8 36 9 US-09-853-161-108 Sequence 108, App
 717 36 29.8 36 9 US-09-852-659A-108 Sequence 108, App
 718 36 29.8 36 9 US-09-852-797-108 Sequence 108, App
 719 36 29.8 36 12 US-10-058-993-108 Sequence 108, App

ALIGNMENTS

RESULT 1
 US-09-853-161-68
 ; Sequence 68, Application US/09853161
 ; Patent No. US2002076756A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Rosen et al.
 ; TITLE OF INVENTION: 28 Human Secreted Proteins
 ; FILE REFERENCE: P2003P3
 ; CURRENT APPLICATION NUMBER: US/09/853,161
 ; CURRENT FILING DATE: 2001-05-11
 ; PRIOR APPLICATION NUMBER: 60/265,583
 ; PRIOR FILING DATE: 2001-02-02
 ; PRIOR APPLICATION NUMBER: 09/152,060
 ; PRIOR FILING DATE: 1998-09-11
 ; PRIOR APPLICATION NUMBER: PCT/US98/04858
 ; PRIOR FILING DATE: 1998-03-12
 ; PRIOR APPLICATION NUMBER: 60/040,762
 ; PRIOR FILING DATE: 1997-03-14
 ; PRIOR APPLICATION NUMBER: 60/040,710
 ; PRIOR FILING DATE: 1997-03-14
 ; PRIOR APPLICATION NUMBER: 60/050,934

;; PRIOR FILING DATE: 1997-05-30
 ;; PRIOR APPLICATION NUMBER: 60/048,100
 ;; PRIOR FILING DATE: 1997-05-30
 ;; PRIOR APPLICATION NUMBER: 60/048,357
 ;; PRIOR FILING DATE: 1997-05-30
 ;; PRIOR APPLICATION NUMBER: 60/048,189
 ;; PRIOR FILING DATE: 1997-05-30
 ;; PRIOR APPLICATION NUMBER: 60/057,765
 ;; PRIOR FILING DATE: 1997-09-05
 ;; PRIOR APPLICATION NUMBER: 60/048,970
 ;; PRIOR FILING DATE: 1997-06-06
 ;; PRIOR APPLICATION NUMBER: 60/068,368
 ;; PRIOR FILING DATE: 1997-12-19
 ;; NUMBER OF SEQ ID NOS: 118
 ;; SOFTWARE: PatentIn Ver. 2.0
 ;; SEQ ID NO 68
 ;; TYPE: PRT
 ;; LENGTH: 121
 ;; ORGANISM: Homo sapiens
 US-09-853-161-68

Query Match 100.0%; Score 121; DB 9; Length 121;
 Best Local Similarity 100.0%; Pred. No. 2,4e-110; Indels 0; Gaps 0;
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 DB 61 LKAISQSTDPKSTSEKSDMDFVGLMGKESVQPSDTYNOENVSPFGILKTPPRA 120
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 DB 121 E 121

RESULT 2
 US-09-852-659A-68
 ; Sequence 68, Application US/09852659A
 ; Patent No. US2002077287A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Rosen et al.
 ; TITLE OF INVENTION: 28 Human Secreted Proteins
 ; FILE REFERENCE: P2003P4
 ; CURRENT APPLICATION NUMBER: US/09/852,659A
 ; CURRENT FILING DATE: 2001-05-11
 ; PRIOR APPLICATION NUMBER: 60/265,583
 ; PRIOR FILING DATE: 2001-02-02
 ; PRIOR APPLICATION NUMBER: 09/152,060
 ; PRIOR FILING DATE: 1998-09-11
 ; PRIOR APPLICATION NUMBER: PCT/US98/04858
 ; PRIOR FILING DATE: 1998-03-12
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 ; PRIOR APPLICATION NUMBER: 60/040,710
 ; PRIOR FILING DATE: 1997-03-14
 ; PRIOR APPLICATION NUMBER: 60/050,934
 ; PRIOR FILING DATE: 1997-05-30
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 ; PRIOR APPLICATION NUMBER: 60/048,357
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 ; PRIOR APPLICATION NUMBER: 60/048,189
 ; PRIOR FILING DATE: 1997-05-30
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 ; PRIOR APPLICATION NUMBER: 60/048,970
 ; PRIOR FILING DATE: 1997-06-06
 ; PRIOR APPLICATION NUMBER: 60/068,368
 ; PRIOR FILING DATE: 1997-12-19
 ; NUMBER OF SEQ ID NOS: 121

SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 68
LENGTH: 121
TYPE: PRT
ORGANISM: Homo sapiens
US-09-852-659A-68

Query Match 100.0%; Score 121; DB 9; Length 121;
Best Local Similarity 100.0%; Pred. No. 2,4e-110;
Matches 121; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MRIMLFTALAFSLAQSFGAVCKEPQEEVVPGGGRSKDPDLYQLQLRFLFKSHSLLEGL 60
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DB 61 LKALSQASTDPKSESTSEPKRDMHDFVGLMGKRSVQPDSPDVNOENVPSFGILKYPRA 120
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DB 121 E 121

RESULT 3

US-09-852-797-68
Sequence 68, Application US/09852797
Patent No. US20020172994A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 28 Human Secreted Proteins
FILE REFERENCE: P2003P2
CURRENT APPLICATION NUMBER: US/09/852,797
PRIOR FILING DATE: 2001-05-11
PRIOR APPLICATION NUMBER: 60/265,583
PRIOR FILING DATE: 2001-02-02
PRIOR APPLICATION NUMBER: 09/152,060
PRIOR FILING DATE: 1998-09-11
PRIOR APPLICATION NUMBER: PCT/US98/04858
PRIOR FILING DATE: 1998-03-12
PRIOR APPLICATION NUMBER: 60/040,762
PRIOR FILING DATE: 1997-03-14
PRIOR APPLICATION NUMBER: 60/040,710
PRIOR FILING DATE: 1997-03-14
PRIOR APPLICATION NUMBER: 60/050,934
PRIOR FILING DATE: 1997-05-30
PRIOR APPLICATION NUMBER: 60/048,100
PRIOR FILING DATE: 1997-05-30
PRIOR APPLICATION NUMBER: 60/048,357
PRIOR FILING DATE: 1997-05-30
PRIOR APPLICATION NUMBER: 60/048,189
PRIOR FILING DATE: 1997-05-30
PRIOR APPLICATION NUMBER: 60/057,765
PRIOR FILING DATE: 1997-09-05
PRIOR APPLICATION NUMBER: 60/048,970
PRIOR FILING DATE: 1997-06-06
PRIOR APPLICATION NUMBER: 60/068,368
PRIOR FILING DATE: 1997-12-19
NUMBER OF SEQ ID NOS: 118
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 68
LENGTH: 121
TYPE: PRT
ORGANISM: Homo sapiens
US-09-852-797-68

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Best Local Similarity 100.0%; Pred. No. 2,4e-110;
Matches 121; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DB 1 MRIMLFTALAFSLAQSFGAVCKEPQEEVVPGGGRSKDPDLYQLQLRFLFKSHSLLEGL 60

QY 61 LKALSQASTDPKSESTSEPKRDMHDFVGLMGKRSVQPDSPDVNOENVPSFGILKYPRA 120
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DB 121 E 121

RESULT 4

US-10-058-993-68
Sequence 68, Application US/10058993
Publication No. US20030225009A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 28 Human Secreted Proteins
FILE REFERENCE: P2003P5
CURRENT APPLICATION NUMBER: US/10/058,993
PRIOR FILING DATE: 2002-01-30
PRIOR APPLICATION NUMBER: 09/852,659
PRIOR FILING DATE: 2001-05-11
PRIOR APPLICATION NUMBER: 09/852,797
PRIOR FILING DATE: 2001-05-11
PRIOR APPLICATION NUMBER: 09/853,161
PRIOR FILING DATE: 2001-05-11
PRIOR APPLICATION NUMBER: 60/265,583
PRIOR FILING DATE: 2001-02-02
PRIOR APPLICATION NUMBER: 09/152,060
PRIOR FILING DATE: 1998-09-11
PRIOR APPLICATION NUMBER: PCT/US98/04858
PRIOR FILING DATE: 1998-03-12
PRIOR APPLICATION NUMBER: 60/068,368
PRIOR FILING DATE: 1997-12-19
PRIOR APPLICATION NUMBER: 60/057,765
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PRIOR APPLICATION NUMBER: 60/048,357
PRIOR FILING DATE: 1997-05-30
PRIOR APPLICATION NUMBER: 60/040,710
PRIOR FILING DATE: 1997-03-14
PRIOR APPLICATION NUMBER: 60/040,762
PRIOR FILING DATE: 1997-03-14
NUMBER OF SEQ ID NOS: 122
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 68
LENGTH: 121
TYPE: PRT
ORGANISM: Homo sapiens
US-10-058-993-68

Query Match 100.0%; Score 121; DB 12; Length 121;
Best Local Similarity 100.0%; Pred. No. 2,4e-110;
Matches 121; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 121 E 121
DB 121 E 121

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RESULT 5
US-10-276-774-2248
; Sequence 2248, Application US/10276774
; Publication No. US20040053245A1
; GENERAL INFORMATION:
; APPLICANT: Hysco, Inc.
; TITLE OF INVENTION: No. US20040053245A1 Nucleic Acids and Polypeptides
; FILE REFERENCE: 21272-030
; CURRENT APPLICATION NUMBER: US/10/276,774
; CURRENT FILING DATE: 2002-11-18
; PRIOR APPLICATION NUMBER: 09/560,875
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: 09/496,914
; PRIOR FILING DATE: 2000-02-03
; NUMBER OF SEQ ID NOS: 2700
; SOFTWARE: Custom
; SEQ ID NO 2248
; LENGTH: 137
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-276-774-2248

Query Match          100.0%; Score 121; DB 12; Length 137;
Best Local Similarity 100.0%; Pred. No. 2,7e-110;
Matches 121; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 77 LKALSQASTDPKESPEKEDMDFFVGLMGKRSVOPDSPDTDVNCGENVPSFGILKXPPRA 136
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DB 137 E 137

RESULT 6
US-09-989-722-359
; Sequence 359, Application US/09989722
; Patent No. US20020072067A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Baton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gueney, Austin L.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
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;; PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 9; Length 135;
Best Local Similarity 100.0%; Pred. No. 8.1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YKIMLFTYILAFSLAOSGAVCKEPOBRYVFGGGRSRDPLYLRLFFSHSLGCL 60
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DB 61 LKALSOASTDPKESTSPKRDHDFVGLMGKRSYOP 97

RESULT 7
US-09-989-723-359
; Sequence 359, Application US/09989723
; Patent No. US20020072092A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerder, Hanspeter
; APPLICANT: Gertlisen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kijavrin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PIC62
; CURRENT APPLICATION NUMBER: US/09/989,723
; CURRENT FILING DATE: 2001-11-19

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Best Local Similarity 100.0%; Pred. No. 8, 1e-87;
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Db 1 MRMLFTALASLQSGFAVCKEPOEEVYPGGGSKDDPDLYQLQGLFSSLSLEL 60

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RESULT 8
US-09-989-279-359
Sequence 359, Application US/09989279
Patent No. US20020072496A1
GENERAL INFORMATION:
APPLICANT: Aethkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Hong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerltsen, Mary E.
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APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Guiney, Austin L.
APPLICANT: Kijavini, Ivar J.
APPLICANT: Napier, Mary A.
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APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C56
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PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 9; Length 135;
Best Local Similarity 100.0%; Pred. No. 8, 1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 MRIMLFTALIAFSLAOSFGAVCKEPOEEVVPVGGSKRDPDLYOLLQRLFKSHSSLEGL 60
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Db 61 LKALSOASTDPKSTSPKRDMDFFVGLMGKRSVOP 97

RESULT 9
US-09-989-727-359
Sequence 359, Application US/09989727
Patent No. US20020072497A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
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APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kijavini, Ivar J.
APPLICANT: Napier, Mary A.
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APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C65
CURRENT APPLICATION NUMBER: US/09/989,727
CURRENT FILING DATE: 2001-11-19
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
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PRIOR FILING DATE: 1997-11-12

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PRIOR APPLICATION NUMBER: 60/087759	PRIOR FILING DATE: 1998-06-02
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PRIOR APPLICATION NUMBER: 60/088021	PRIOR FILING DATE: 1998-06-04
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PRIOR APPLICATION NUMBER: 60/088202	PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088212	PRIOR FILING DATE: 1998-06-05
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PRIOR APPLICATION NUMBER: 60/088655	PRIOR FILING DATE: 1998-06-09
PRIOR APPLICATION NUMBER: 60/088734	PRIOR FILING DATE: 1998-06-10
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PRIOR APPLICATION NUMBER: 60/090696	PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090682	PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/090863	PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/091360	PRIOR FILING DATE: 1998-07-01

PRIOR APPLICATION NUMBER: 60/091478
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091544
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091519
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091626
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091633
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 80.2% Score 97; DA 9; Length 135;
Best Local Similarity 100.0%; Pred. No. 8, 1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRIMLFTAILAFSLAQSGAVCKEPOEEVPGGGRSKDPDIYOLLQPLFKSHSLBGL 60
Db 1 MRIMLFTAILAFSLAQSGAVCKEPOEEVPGGGRSKDPDIYOLLQPLFKSHSLBGL 60
Qy 61 LKALSOASTDPKSTSPERKMDHDFVGLMGKRSVOP 97
Db 61 LKALSOASTDPKSTSPERKMDHDFVGLMGKRSVOP 97

RESULT 10

US-09-989-731-359
Sequence 359, Application US/09989731
Patent No. US20020103125A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kijavich, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730P1C70
CURRENT APPLICATION NUMBER: US/09/989, 731
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065166
PRIOR FILING DATE: 1997-11-12
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PRIOR FILING DATE: 1997-11-24
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PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/091360
PRIOR FILING DATE: 1998-07-01
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PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 9; Length 135;
Best Local Similarity 100.0%; Pred. No. 8.1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAIMLFTAILAFSLAQSFAVCKEPOEYVPGGRSKRDPDLYOLRLTKSHSLLEGL 60
DB 1 MAIMLFTAILAFSLAQSFAVCKEPOEYVPGGRSKRDPDLYOLRLTKSHSLLEGL 60

QY 61 LKALSOASTDPKSTSPKRXMDHDFVGLMGKRSVOP 97
DB 61 LKALSOASTDPKSTSPKRXMDHDFVGLMGKRSVOP 97

RESULT 11
US-09-989-732-359
Sequence 359, Application US/0989732
Patent No. US20020123463A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnovers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Geider, Hanspeter
APPLICANT: Gottlieb, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kijavits, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tamas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C57
CURRENT APPLICATION NUMBER: US/09/989,732
CURRENT FILING DATE: 2001-11-19
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
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PRIOR FILING DATE: 1997-11-13
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PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/075945
PRIOR FILING DATE: 1998-02-25

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19	PRIOR FILING DATE: 1998-06-22	
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21	PRIOR FILING DATE: 1998-06-22	
22	PRIOR APPLICATION NUMBER: 60/090254	
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25	PRIOR FILING DATE: 1998-06-23	
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33	PRIOR FILING DATE: 1998-06-24	
34	PRIOR APPLICATION NUMBER: 60/090444	
35	PRIOR FILING DATE: 1998-06-24	
36	PRIOR APPLICATION NUMBER: 60/090445	
37	PRIOR FILING DATE: 1998-06-24	
38	PRIOR APPLICATION NUMBER: 60/090472	
39	PRIOR FILING DATE: 1998-06-24	
40	PRIOR APPLICATION NUMBER: 60/090535	
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47	PRIOR FILING DATE: 1998-06-24	
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49	PRIOR FILING DATE: 1998-06-25	
50	PRIOR APPLICATION NUMBER: 60/090678	
51	PRIOR FILING DATE: 1998-06-25	
52	PRIOR APPLICATION NUMBER: 60/090690	
53	PRIOR FILING DATE: 1998-06-25	
54	PRIOR APPLICATION NUMBER: 60/090694	
55	PRIOR FILING DATE: 1998-06-25	
56	PRIOR APPLICATION NUMBER: 60/090655	
57	PRIOR FILING DATE: 1998-06-25	
58	PRIOR APPLICATION NUMBER: 60/090696	
59	PRIOR FILING DATE: 1998-06-25	
60	PRIOR APPLICATION NUMBER: 60/090862	
61	PRIOR FILING DATE: 1998-06-26	
62	PRIOR APPLICATION NUMBER: 60/090866	
63	PRIOR FILING DATE: 1998-06-26	
64	PRIOR APPLICATION NUMBER: 60/091360	
65	PRIOR FILING DATE: 1998-07-01	
66	PRIOR APPLICATION NUMBER: 60/091478	
67	PRIOR FILING DATE: 1998-07-02	
68	PRIOR APPLICATION NUMBER: 60/091544	
69	PRIOR FILING DATE: 1998-07-01	
70	PRIOR APPLICATION NUMBER: 60/091519	
71	PRIOR FILING DATE: 1998-07-02	

;; PRIOR APPLICATION NUMBER: 60/091626
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091633
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091978
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 9; Length 135;
Best Local Similarity 100.0%; Pred. No. 8, 1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRMLFTALIASLQSPFVAVCKEPOEEVVPGGGSKRDPDYLLORLFSHSLSEGL 60
DB 1 MRMLFTALIASLQSPFVAVCKEPOEEVVPGGGSKRDPDYLLORLFSHSLSEGL 60

QY 61 LKALSOASTDPKSTSPKEDMDFFVGLMGKRSVOP 97
DB 61 LKALSOASTDPKSTSPKEDMDFFVGLMGKRSVOP 97

RESULT 12
US-09-991-073-359
; Sequence 359, Application US/09991073
; Patent No. US20020127576A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Guiney, Austin L.
; APPLICANT: Kijavini, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C15
; CURRENT APPLICATION NUMBER: US/09/991, 073
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
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;; PRIOR FILING DATE: 1998-04-28
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PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/091360
PRIOR FILING DATE: 1998-07-01
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PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091544
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PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091626
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091633

PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 9; Length 135;
Best Local Similarity 100.0%; Pred. No. 8, 1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 MRIMLFTALAFSLAGFAGVCKEPOEEVVPGGSSKRDPIYQLQRLFKSHSLLEG 60
Db 1 MRIMLFTALAFSLAGFAGVCKEPOEEVVPGGSSKRDPIYQLQRLFKSHSLLEG 60
Cy 61 LKALSOASTDPKSTSPKRDMDPFVGLMGKRSVOP 97
Db 61 LKALSOASTDPKSTSPKRDMDPFVGLMGKRSVOP 97

RESULT 13

US-09-990-442-359

Sequence 359, Application US/09990442

Patent No. US20020132252A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi J.

APPLICANT: Baker, Kevin P.

APPLICANT: Botstein, David

APPLICANT: Desnovers, Inc

APPLICANT: Eaton, Dan L.

APPLICANT: Ferrara, Napoleone

APPLICANT: Fong, Sherman

APPLICANT: Gerber, Hanspeter

APPLICANT: Gerritsen, Mary E.

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Grimaldi, J. Christopher

APPLICANT: Guiney, Austin L.

APPLICANT: Kljavin, Ivar J.

APPLICANT: Napier, Mary A.

APPLICANT: Pan, James

APPLICANT: Paoni, Nicholas F.

APPLICANT: Roy, Margaret Ann

APPLICANT: Stewart, Timothy A.

APPLICANT: Tumas, Daniel

APPLICANT: Watanabe, Colin K.

APPLICANT: Williams, P. Mickey

APPLICANT: Wood, William I.

APPLICANT: Zhang, Zemin

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

ACIDS

FIELD OF INVENTION: Acids Encoding the Same

FIELD REFERENCE: P2730P1C8

CURRENT FILING DATE: US/09/990,442

CURRENT FILING DATE: 2001-11-14

PRIOR APPLICATION NUMBER: 60/049787

PRIOR FILING DATE: 1997-06-16

PRIOR APPLICATION NUMBER: 60/062250

PRIOR FILING DATE: 1997-10-17

PRIOR APPLICATION NUMBER: 60/065186

PRIOR FILING DATE: 1997-11-12

PRIOR APPLICATION NUMBER: 60/065311

PRIOR FILING DATE: 1997-11-13

PRIOR APPLICATION NUMBER: 60/066770

PRIOR FILING DATE: 1997-11-24

PRIOR APPLICATION NUMBER: 60/075945

PRIOR FILING DATE: 1998-02-25

PRIOR APPLICATION NUMBER: 60/078910

PRIOR FILING DATE: 1998-03-20

PRIOR APPLICATION NUMBER: 60/083322

PRIOR FILING DATE: 1998-04-28

PRIOR APPLICATION NUMBER: 60/084600

PRIOR FILING DATE: 1998-05-07

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4	PRIOR FILING DATE: 1998-06-02
5	PRIOR APPLICATION NUMBER: 60/087605
6	PRIOR FILING DATE: 1998-06-02
7	PRIOR APPLICATION NUMBER: 60/087555
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9	PRIOR APPLICATION NUMBER: 60/087822
10	PRIOR FILING DATE: 1998-06-03
11	PRIOR APPLICATION NUMBER: 60/088022
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18	PRIOR FILING DATE: 1998-06-04
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22	PRIOR FILING DATE: 1998-06-04
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63	PRIOR APPLICATION NUMBER: 60/089598
64	PRIOR FILING DATE: 1998-06-17
65	PRIOR APPLICATION NUMBER: 60/089599
66	PRIOR FILING DATE: 1998-06-17
67	PRIOR APPLICATION NUMBER: 60/089600
68	PRIOR FILING DATE: 1998-06-17
69	PRIOR APPLICATION NUMBER: 60/089653

[illegible]

PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 9; Length 135;
Best Local Similarity 100.0%; Pred. No. 8,1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRMLFTILAFSLAQSGAVCKPQOEIVVPGGGRSKRDPVLQTLQPLFSHSLGL 60
DB 1 MRMLFTILAFSLAQSGAVCKPQOEIVVPGGGRSKRDPVLQTLQPLFSHSLGL 60

QY 61 LKALSGASTDPKESTSPERKDMHDFVGLMGKRSVOP 97
DB 61 LKALSGASTDPKESTSPERKDMHDFVGLMGKRSVOP 97

RESULT 14
US-09-991-163-359
Sequence 359, Application US/09991163
Patent No. US20020132253A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kijavini, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C17
CURRENT APPLICATION NUMBER: US/09/991,163
CURRENT FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
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PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182

PRIOR FILING DATE: 1998-07-09
Query: Match 80.2%; Score 97; DB 9; Length 135;
Best/Local Similarity 100.0%; Pred. No. 8, 1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MIMLLFTLILAFSLAOSFVAVCKRPOEYVPGGRSRKDDPLLLOLRFKSHSLGL 60
DB 1 MIMLLFTLILAFSLAOSFVAVCKRPOEYVPGGRSRKDDPLLLOLRFKSHSLGL 60
QY 61 LKALQASTDPKSTSPKRDVHDFVGLMGKRSYQP 97
DB 61 LKALQASTDPKSTSPKRDVHDFVGLMGKRSYQP 97
RESULT 15
US-09-993-604-359
Sequence 359, Application US/09993604
Patent No. US20020137075A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerder, Hanspeter
APPLICANT: Gertlisen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gunney, Austin L.
APPLICANT: Kijavitt, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730PIC25
CURRENT APPLICATION NUMBER: US/09/993,604
CURRENT FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
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PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/087106
PRIOR FILING DATE: 1998-05-28
PRIOR APPLICATION NUMBER: 60/087607
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087609
PRIOR FILING DATE: 1998-06-02

Query Match: 80.2%; Score 97; DB 9; Length 135;

Best Local Similarity 100.0%; Pred. No. 8.1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MRIMLFTAILAFSLAASFGAVCKEPOEEVVPGGGRSKRDPDLYQLLQRLFKSHSLEGL 60
1 MRIMLFTAILAFSLAASFGAVCKEPOEEVVPGGGRSKRDPDLYQLLQRLFKSHSLEGL 60
Db 1 MRIMLFTAILAFSLAASFGAVCKEPOEEVVPGGGRSKRDPDLYQLLQRLFKSHSLEGL 60
QY 61 LKALSOASTDPKSTSPKRDMDPFVGLMGKRSVOP 97
61 LKALSOASTDPKSTSPKRDMDPFVGLMGKRSVOP 97
Db 61 LKALSOASTDPKSTSPKRDMDPFVGLMGKRSVOP 97
RESULT 16
US-09-990-456-359
Sequence 359, Application US/09990456
Patent No. US20020137890A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Bacon, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gottlieb, Mary E.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kijavyn, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
Acids Encoding the Same
FILE REFERENCE: P2730P1C22
CURRENT APPLICATION NUMBER: US/09/990,456
CURRENT FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066770
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PRIOR APPLICATION NUMBER: 60/087827

PRIOR FILING DATE: 1998-06-03
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PRIOR FILING DATE: 1998-06-04
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PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088026
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PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088033
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088326
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088167
PRIOR FILING DATE: 1998-06-05
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PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 9; Length 135;
Best Local Similarity 100.0%; Pred. No. 8, 1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTAILAFSLAASFGAVCKEPOEEVYPGGGSRKRPDDLYOLLQRLFKSHSSLEGL 60
DB 1 MRIMLFTAILAFSLAASFGAVCKEPOEEVYPGGGSRKRPDDLYOLLQRLFKSHSSLEGL 60
QY 61 LKALSQASTDPKKESTSPKRDMDHFFVGLMGKRSVCP 97
DB 61 LKALSQASTDPKKESTSPKRDMDHFFVGLMGKRSVCP 97
RESULT 17
US-09-989-721-359
Sequence 359, Application US/09989721
Patent No. US20020142961A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnovers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey J.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730PIC55
CURRENT FILING DATE: 2001-11-19
PRIOR APPLICATION NUMBER: US/09/989, 721
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
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PRIOR FILING DATE: 1998-07-07
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PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 9; Length 135;
Best Local Similarity 100.0%; Pred. No. 8, 1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MRMLFTALAFSLAASFGAVCKEPQEEVVPGGGRSKRPDIYQLLQRLFKSHSLEGL 60
DB 1 MRMLFTALAFSLAASFGAVCKEPQEEVVPGGGRSKRPDIYQLLQRLFKSHSLEGL 60

QY 61 LKALSOASTDPKSTSPKRDMDFFVGLMGKRSVOP 97
DB 61 LKALSOASTDPKSTSPKRDMDFFVGLMGKRSVOP 97

RESULT 18
US-09-992-598-359
Sequence 359, Application US/09992598
Patent No. US20020160384A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Garber, Hanspeter
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimey, Austin L.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OR INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730PIC20
CURRENT APPLICATION NUMBER: US/09/992,598
CURRENT FILING DATE: 2001-11-14
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PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
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PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 9; Length 135;
Best Local Similarity 100.0%; Pred No. 8,1e-87;

Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLTALIAFSLAOSFGAVCKEPOEEVVPGGGRKRPDIYOLLQRLFKSHSLLEGL 60
DB 1 MRIMLTALIAFSLAOSFGAVCKEPOEEVVPGGGRKRPDIYOLLQRLFKSHSLLEGL 60
QY 61 LKALASASTDPKSTSPKRDMDHFFVGLMGKRSVCP 97

DB 61 LKALASASTDPKSTSPKRDMDHFFVGLMGKRSVCP 97
RESULT 19
US-09-989-293A-359
Sequence 359, Application US/0989293A
Patent No. US20020177164A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gertlisen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gueney, Austin L.
APPLICANT: Kjaavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P166
CURRENT APPLICATION NUMBER: US/09/989,293A
CURRENT FILING DATE: 2001-11-20
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PRIOR APPLICATION NUMBER: 60/088858
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PRIOR APPLICATION NUMBER: 60/089512
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PRIOR APPLICATION NUMBER: 60/089600
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PRIOR APPLICATION NUMBER: 60/089907
PRIOR FILING DATE: 1998-06-18
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PRIOR FILING DATE: 1998-06-22
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PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091544
PRIOR FILING DATE: 1998-07-01
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PRIOR APPLICATION NUMBER: 60/091626
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091633
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 9; Length 135;
Best Local Similarity 100.0%; Pred. No. 8.1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WRIMLFTAILAFSLAOSFGAVCEPOEEVVPGGGRKRDYQLLORLFKSHSSLEGL 60
DB 1 WRIMLFTAILAFSLAOSFGAVCEPOEEVVPGGGRKRDYQLLORLFKSHSSLEGL 60
QY 61 LKALSOASTDPKESTSPKRDMDHFFVGLMGKRSVOP 97
DB 61 LKALSOASTDPKESTSPKRDMDHFFVGLMGKRSVOP 97

RESULT 20
US-09-889-735-359
Sequence 359, Application US/09989735
Publication No. US20020193299A1
GENERAL INFORMATION:
APPLICANT: Askenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Baton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Guiney, Austin L.
APPLICANT: Kijavini, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Paoni, Nicholas P.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OR INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730P1C61
CURRENT APPLICATION NUMBER: US/09/989,735
CURRENT FILING DATE: 2001-11-19
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/075945
PRIOR FILING DATE: 1998-02-25
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
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PRIOR FILING DATE: 1998-06-04
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PRIOR APPLICATION NUMBER: 60/090355
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PRIOR APPLICATION NUMBER: 60/090429
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090431
PRIOR FILING DATE: 1998-06-24
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PRIOR FILING DATE: 1998-06-24
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PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 9; Length 135;
Best Local Similarity 100.0%; Pred. No. 8-1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTALIASLASFGAVCKEPOEEVVPGGGSKRDPDLYQLLQRLFKSHSLEBL 60
DB 1 MRIMLFTALIASLASFGAVCKEPOEEVVPGGGSKRDPDLYQLLQRLFKSHSLEBL 60
QY 61 LKALISQASTDPKESTSPERKMDHDFVGLMGKRSVVP 97
DB 61 LKALISQASTDPKESTSPERKMDHDFVGLMGKRSVVP 97

RESULT 21
US-09-990-444-359
; Sequence 359, Application US/09990444

Publication No. US20020193300A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Getber, Hanspeter
APPLICANT: Gerltsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gunney, Austin L.
APPLICANT: Kijavich, Ivay J.
APPLICANT: Napier, Mary A.
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C19
CURRENT APPLICATION NUMBER: US/09/990,444
CURRENT FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
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PRIOR FILING DATE: 1998-06-04
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PRIOR FILING DATE: 1998-06-04

;; PRIOR APPLICATION NUMBER: 60/088326
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;; PRIOR FILING DATE: 1998-06-24
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;; PRIOR APPLICATION NUMBER: 60/090863
;; PRIOR FILING DATE: 1998-06-26
;; PRIOR APPLICATION NUMBER: 60/091360
;; PRIOR FILING DATE: 1998-07-01
;; PRIOR APPLICATION NUMBER: 60/091478
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091544
;; PRIOR FILING DATE: 1998-07-01
;; PRIOR APPLICATION NUMBER: 60/091519
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091626
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091633
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091978
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 9; Length 135;
Best Local Similarity 100.0%; Pred. No. 8,1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KMIIMLFTAILAFSLAGSFGAVCKEPOBEVVPGGGRSRDPLVQLORLFRKSHSLGL 60
DB 1 KMIIMLFTAILAFSLAGSFGAVCKEPOBEVVPGGGRSRDPLVQLORLFRKSHSLGL 60
QY 61 KXLSQASTDPRESTSPKRDMDPFVGLMGKRSVOP 97
DB 61 KXLSQASTDPRESTSPKRDMDPFVGLMGKRSVOP 97

RESULT 22
US-09-991-181-359
; Sequence 359, Application US/09991181
; Publication No. US20020197615A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.

APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Denoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gertlesen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gunney, Austin L.
APPLICANT: Kijavini, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas P.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730P1C53
CURRENT APPLICATION NUMBER: US/09/991,181
CURRENT FILING DATE: 2001-11-16
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
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PRIOR APPLICATION NUMBER: 60/065186
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PRIOR FILING DATE: 1998-06-04
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PRIOR FILING DATE: 1998-06-05
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PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088212
PRIOR FILING DATE: 1998-06-05
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PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089600
PRIOR FILING DATE: 1998-06-17
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PRIOR FILING DATE: 1998-06-23
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PRIOR APPLICATION NUMBER: 60/090431
PRIOR FILING DATE: 1998-06-24

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PRIORITY FILING DATE: 1998-06-24
PRIORITY APPLICATION NUMBER: 60/090444
PRIORITY FILING DATE: 1998-06-24
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PRIORITY FILING DATE: 1998-07-02
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PRIORITY FILING DATE: 1998-07-02
PRIORITY APPLICATION NUMBER: 60/091978
PRIORITY FILING DATE: 1998-07-07
PRIORITY APPLICATION NUMBER: 60/091982
PRIORITY FILING DATE: 1998-07-07
PRIORITY APPLICATION NUMBER: 60/092182
PRIORITY FILING DATE: 1998-07-09

Query Match      80.2%; Score 97; DB 9; Length 135;
Best Local Similarity 100.0%; Pred. No. 8, 1e-67;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 MRIMLFTALIAISLAQSGAVCKEPOEEVYPGGGSKRDPDLYQLQLRSLFKSHSLLEGL 60
DB      1 MRIMLFTALIAISLAQSGAVCKEPOEEVYPGGGSKRDPDLYQLQLRSLFKSHSLLEGL 60

QY      61 LKALSOASTDPKSTSPKRDMDFFVGLMGKRSVOP 97
DB      61 LKALSOASTDPKSTSPKRDMDFFVGLMGKRSVOP 97

RESULT 23
US-09-989-730-359
Sequence 359, Application US/09989730
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
```

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APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerltzen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730PIC69
CURRENT APPLICATION NUMBER: US/09/989,730
PRIORITY APPLICATION NUMBER: 60/049787
PRIORITY FILING DATE: 1997-06-16
PRIORITY APPLICATION NUMBER: 60/062250
PRIORITY FILING DATE: 1997-10-17
PRIORITY APPLICATION NUMBER: 60/065186
PRIORITY FILING DATE: 1997-11-12
PRIORITY APPLICATION NUMBER: 60/065311
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PRIORITY APPLICATION NUMBER: 60/083322
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PRIORITY FILING DATE: 1998-05-28
PRIORITY APPLICATION NUMBER: 60/087607
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PRIORITY APPLICATION NUMBER: 60/088026
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PRIORITY FILING DATE: 1998-06-05
PRIORITY APPLICATION NUMBER: 60/088202
PRIORITY FILING DATE: 1998-06-05
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PRIOR APPLICATION NUMBER: 60/088212
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PRIOR APPLICATION NUMBER: 60/088217
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088655
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PRIOR APPLICATION NUMBER: 60/089801
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PRIOR FILING DATE: 1998-06-18
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PRIOR APPLICATION NUMBER: 60/090431
PRIOR FILING DATE: 1998-06-24
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PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090444

PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090445
PRIOR FILING DATE: 1998-06-24
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PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 9; Length 135;
Best Local Similarity 100.0%; Pred. No. 8, 1e-87; Mismatches 0; Indels 0; Gaps 0;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRIMLFTAILAFSLAAGFVAVCKEPOBEVVPVGGGRSKRDPDYQLQRLFKSHSLEGL 60
Db 1 MRIMLFTAILAFSLAAGFVAVCKEPOBEVVPVGGGRSKRDPDYQLQRLFKSHSLEGL 60
Qy 61 LKALSQASTDPKSTSPKRDMDHDFVGLMGKRSVOP 97
Db 61 LKALSQASTDPKSTSPKRDMDHDFVGLMGKRSVOP 97

RESULT 24
US-09-990-436-359
Sequence 359, Application US/09990436
Publication No. US20020198148A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman

APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary B.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gueney, Austin L.
APPLICANT: Kijavini, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C14
CURRENT APPLICATION NUMBER: US/09/990,436
CURRENT FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
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PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089653
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PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089907
PRIOR FILING DATE: 1998-06-18
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PRIOR APPLICATION NUMBER: 60/090429
PRIOR FILING DATE: 1998-06-24
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PRIOR FILING DATE: 1998-06-24
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PRIOR FILING DATE: 1998-06-24
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PRIOR FILING DATE: 1998-06-24

PRIOR APPLICATION NUMBER: 60/090472
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PRIOR APPLICATION NUMBER: 60/090535
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090540
PRIOR FILING DATE: 1998-06-24
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PRIOR APPLICATION NUMBER: 60/090695
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PRIOR APPLICATION NUMBER: 60/090696
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090862
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/090863
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/091360
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091478
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091544
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091519
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091626
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PRIOR APPLICATION NUMBER: 60/091633
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 9; Length 135;
Best Local Similarity 100.0%; Pred. No. 8, 1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLMLFTALIASLAOSFPAVCKEPEEYVPGGGRSKDPDIYQILORLFKSHSLEGL 60
DB 1 MRLMLFTALIASLAOSFPAVCKEPEEYVPGGGRSKDPDIYQILORLFKSHSLEGL 60
QY 61 LKALSQASTDPKSTSEPKRDMDFYGLMGKRSVOP 97
DB 61 LKALSQASTDPKSTSEPKRDMDFYGLMGKRSVOP 97

RESULT 25
US-09-993-687-359

Sequence 359, Application US/09993687
Publication No. US20020198149A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gottlieb, Mary E.
APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kijavitt, Ivat J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas P.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Thomas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C11
CURRENT FILING DATE: 2002-11-14
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
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PRIOR FILING DATE: 1998-06-09


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PRIOR APPLICATION NUMBER: 60/088734
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PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

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Query Match      80.2%; Score 97; DB 9; Length 135;
Best Local Similarity 100.0%; Pred. No. 8.1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      1  MRLMLFTAILAFSLAGFGAVCKEPOEEVVPGGGRSKRDPDLVQLLQRLFKSHSLLEGL 60
Db      1  MRLMLFTAILAFSLAGFGAVCKEPOEEVVPGGGRSKRDPDLVQLLQRLFKSHSLLEGL 60
QY      61  LKALSOASTDPKESTSPKRDMDHDFVGLMKRSVOP 97
Db      61  LKALSOASTDPKESTSPKRDMDHDFVGLMKRSVOP 97

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RESULT 26
US-09-989-734-359
Sequence 359, Application US/09989734
Publication No. US2003003531A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gottlieb, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.

```

APPLICANT: Kijavira, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730PIC64
CURRENT APPLICATION NUMBER: US/09/989,734
PRIOR FILING DATE: 2001-11-19
PRIOR APPLICATION NUMBER: 60/043787
PRIOR FILING DATE: 1997-06-16
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PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 10; Length 135;
Best Local Similarity 100.0%; Pred. No. 8, 1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTALIASLASRFAVCKEPEEYVPGGSKRDPDLYOLLORIFKSHSLEGL 60
DB 1 MRIMLFTALIASLASRFAVCKEPEEYVPGGSKRDPDLYOLLORIFKSHSLEGL 60

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DB 61 LKALSQASTDPKSTSPKSKMDHDFVGLMGKRSYOP 97

RESULT 27
US-09-997-653-359
Sequence 359, Application US/09997653
Publication No. US2003008297A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Baton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Geritsen, Mary B.
APPLICANT: Goddard, Audrey J.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Guiney, Austin L.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Nadier, Mary A.
APPLICANT: Pan, James

APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P27301C38
CURRENT APPLICATION NUMBER: US/09/997,653
PRIOR FILING DATE: 2001-11-15
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PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 10; Length 135;
Best Local Similarity 100.0%; Pred. No. 8.1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTAILAFSLAOSFGAVCKEPOEYVVPGGGRKRPDLYOLLQRLFKSSSLEGL 60
DB 1 MRIMLFTAILAFSLAOSFGAVCKEPOEYVVPGGGRKRPDLYOLLQRLFKSSSLEGL 60
QY 61 LKALSOASTDPKSESTPEKRDMDHDFVGLMGKRSVOP 97
DB 61 LKALSOASTDPKSESTPEKRDMDHDFVGLMGKRSVOP 97

RESULT 28
US-09-993-667-359
Sequence 359, Application US/09993667
Publication No. US20030022187A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Geider, Hanspeter
APPLICANT: Gottlieb, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.

Wed Jul 21 11:51:06 2004

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Page 41

APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C4
CURRENT APPLICATION NUMBER: US/09/993.667
CURRENT FILING DATE: 2001-11-14
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PRIOR FILING DATE: 1997-06-16
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PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 10; Length 135;
Best Local Similarity 100.0%; Pred.No. 8,1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 61 LKALISQASTDPKESTSPKEDMDFFVGLMGKRSVOP 97

RESULT 29
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Sequence 359, Application US/09997428
Publication No. US20030027162A1
GENERAL INFORMATION:
APPLICANT: Askenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Deeneyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gertlisen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Grimaldi, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Guiney, Austin L.
APPLICANT: Kijavini, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey

APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C4
CURRENT APPLICATION NUMBER: US/09/997,428
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PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 10; Length 135;
Best Local Similarity 100.0%; Pred. No. 8.1e-87;

Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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US-09-997-666-359
Sequence 359, Application US/09997666

Publication No. US20030027163A1
GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi J.

APPLICANT: Baker, Kevin P.

APPLICANT: Botstein, David

APPLICANT: Desnoyers, Luc

APPLICANT: Eaton, Dan L.

APPLICANT: Ferrara, Napoleone

APPLICANT: Fong, Sherman

APPLICANT: Gerber, Hanspeter

APPLICANT: Gerritsen, Mary E.

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APPLICANT: Godowski, Paul J.

APPLICANT: Grimaldi, J. Christopher

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APPLICANT: Pan, James

APPLICANT: Paoni, Nicholas F.

APPLICANT: Roy, Margaret Ann

APPLICANT: Stewart, Timothy A.

APPLICANT: Tumas, Daniel

APPLICANT: Watanabe, Colin K.

APPLICANT: Williams, P. Mickey

APPLICANT: Wood, William I.

APPLICANT: Zhang, Zemin

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

TITLE OF INVENTION: Acids Encoding the Same
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/ PRIOR APPLICATION NUMBER: 60/091978
/ PRIOR FILING DATE: 1998-07-07
/ PRIOR APPLICATION NUMBER: 60/091982
/ PRIOR FILING DATE: 1998-07-07
/ PRIOR APPLICATION NUMBER: 60/092182
/ PRIOR FILING DATE: 1998-07-09

Query Match      80.2%; Score 97; DB 10; Length 135;
Best Local Similarity 100.0%; Pred. No. 8,1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MRIMLFTALIASLQSFAYCKEPOEYVPPGGSKRPDIYOLLQRFKSHSLLEG 60

QY 61 LKALSQASTDPKSTSPBKMDHDFVGLMGKRSVOP 97
DB 61 LKALSQASTDPKSTSPBKMDHDFVGLMGKRSVOP 97

RESULT 31
US-09-990-438-359
/ Sequence 359, Application US/09990438
/ Publication No. US20030027754A1
/ GENERAL INFORMATION:
/ APPLICANT: Ashkenazi, Avi J.
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Betstein, David
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Baton, Dan L.
/ APPLICANT: Ferrara, Napoleone
/ APPLICANT: Fong, Sherman
/ APPLICANT: Gerber, Hanspeter
/ APPLICANT: Gerltsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Grimaldi, J. Christopher
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Kijavlin, Ivar J.
/ APPLICANT: Nadler, Mary A.
/ APPLICANT: Pan, James
/ APPLICANT: Bacon, Nicholas F.
/ APPLICANT: Roy, Margaret Ann
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K.
/ APPLICANT: Williams, P. Mickey
/ APPLICANT: Wood, William I.
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
/ FILE REFERENCE: P2730P1C3
/ CURRENT APPLICATION NUMBER: US/09/990,438

/ CURRENT FILING DATE: 2001-11-14
/ PRIOR APPLICATION NUMBER: 60/049787
/ PRIOR FILING DATE: 1997-06-16
/ PRIOR APPLICATION NUMBER: 60/062250
/ PRIOR FILING DATE: 1997-10-17
/ PRIOR APPLICATION NUMBER: 60/065186
/ PRIOR FILING DATE: 1997-11-12
/ PRIOR APPLICATION NUMBER: 60/065311
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/ PRIOR APPLICATION NUMBER: 60/066770
/ PRIOR FILING DATE: 1997-11-24
/ PRIOR APPLICATION NUMBER: 60/075945
/ PRIOR FILING DATE: 1998-02-25
/ PRIOR APPLICATION NUMBER: 60/078910
/ PRIOR FILING DATE: 1998-03-20
/ PRIOR APPLICATION NUMBER: 60/083322
/ PRIOR FILING DATE: 1998-04-28
/ PRIOR APPLICATION NUMBER: 60/084600
/ PRIOR FILING DATE: 1998-05-07
/ PRIOR APPLICATION NUMBER: 60/087106
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/ PRIOR APPLICATION NUMBER: 60/087607
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/ PRIOR FILING DATE: 1998-06-11
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PRIOR FILING DATE: 1998-06-18
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PRIOR FILING DATE: 1998-06-25
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PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 10; Length 135;
Best Local Similarity 100.0%; Pred. No. 8, 1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 MRIMLFTALIAFSLAASFGAVCKEPOEEVVPGGGRKRPDDLYOLQRLFKSHSIEGL 60
Db 1 MRIMLFTALIAFSLAASFGAVCKEPOEEVVPGGGRKRPDDLYOLQRLFKSHSIEGL 60
Cy 61 LKALSOASTDPKSTSPKEDMDHFFVGLMGKRSVCP 97
Db 61 LKALSOASTDPKSTSPKEDMDHFFVGLMGKRSVCP 97

RESULT 32
US-09-990-562-359
Sequence 359, Application US/09990562
Publication No. US2003027985A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gertlisen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tamas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C18
CURRENT FILING DATE: US/09/990,562
PRIOR APPLICATION NUMBER: 60/043787
PRIOR FILING DATE: 1997-06-16

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PRIOR APPLICATION NUMBER: 60/087759	PRIOR FILING DATE: 1998-06-02
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PRIOR APPLICATION NUMBER: 60/089105	PRIOR FILING DATE: 1998-06-12
PRIOR APPLICATION NUMBER: 60/089440	PRIOR FILING DATE: 1998-06-12

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54	PRIOR FILING DATE: 1998-06-24
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63	PRIOR APPLICATION NUMBER: 60/090690
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66	PRIOR FILING DATE: 1998-06-25
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68	PRIOR FILING DATE: 1998-06-25
69	PRIOR APPLICATION NUMBER: 60/090696
70	PRIOR FILING DATE: 1998-06-25
71	PRIOR APPLICATION NUMBER: 60/090862
72	PRIOR FILING DATE: 1998-06-26

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PRIOR FILING DATE: 1998-07-07
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PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 10; Length 135;
Best Local Similarity 100.0%; Pred. No. 8,1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRMLFTLIALASLQSGAVCKEPOEEVPGGGKRPDLQYOLQSLFKSHSLBGL 60
Db 1 MRMLFTLIALASLQSGAVCKEPOEEVPGGGKRPDLQYOLQSLFKSHSLBGL 60

Qy 61 LKALSOASTDPKSTSPKRDMDFFVGLMGKRSVOP 97
Db 61 LKALSOASTDPKSTSPKRDMDFFVGLMGKRSVOP 97

RESULT 33
US-09-990-711-359
Sequence 359, Application US/09990711
Publication No. US20030032023A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gertlisen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kijavari, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C2
CURRENT APPLICATION NUMBER: US/09/990, 711
CURRENT FILING DATE: 2001-11-14
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PRIOR FILING DATE: 1997-06-16
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PRIOR FILING DATE: 1998-06-16

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 PRIOR FILING DATE: 1998-06-24
 PRIOR APPLICATION NUMBER: 60/090431
 PRIOR FILING DATE: 1998-06-24
 PRIOR APPLICATION NUMBER: 60/090435
 PRIOR FILING DATE: 1998-06-24
 PRIOR APPLICATION NUMBER: 60/090444
 PRIOR FILING DATE: 1998-06-24
 PRIOR APPLICATION NUMBER: 60/090445
 PRIOR FILING DATE: 1998-06-24
 PRIOR APPLICATION NUMBER: 60/090472
 PRIOR FILING DATE: 1998-06-24
 PRIOR APPLICATION NUMBER: 60/090535
 PRIOR FILING DATE: 1998-06-24
 PRIOR APPLICATION NUMBER: 60/090540
 PRIOR FILING DATE: 1998-06-24
 PRIOR APPLICATION NUMBER: 60/090542
 PRIOR FILING DATE: 1998-06-24
 PRIOR APPLICATION NUMBER: 60/090557
 PRIOR FILING DATE: 1998-06-24
 PRIOR APPLICATION NUMBER: 60/090676
 PRIOR FILING DATE: 1998-06-25
 PRIOR APPLICATION NUMBER: 60/090678
 PRIOR FILING DATE: 1998-06-25
 PRIOR APPLICATION NUMBER: 60/090690
 PRIOR FILING DATE: 1998-06-25
 PRIOR APPLICATION NUMBER: 60/090694
 PRIOR FILING DATE: 1998-06-25
 PRIOR APPLICATION NUMBER: 60/090695
 PRIOR FILING DATE: 1998-06-25
 PRIOR APPLICATION NUMBER: 60/090696
 PRIOR FILING DATE: 1998-06-25
 PRIOR APPLICATION NUMBER: 60/090862
 PRIOR FILING DATE: 1998-06-26
 PRIOR APPLICATION NUMBER: 60/090863
 PRIOR FILING DATE: 1998-06-26
 PRIOR APPLICATION NUMBER: 60/091360

PRIOR FILING DATE: 1998-07-01
 PRIOR APPLICATION NUMBER: 60/091478
 PRIOR FILING DATE: 1998-07-02
 PRIOR APPLICATION NUMBER: 60/091544
 PRIOR FILING DATE: 1998-07-01
 PRIOR APPLICATION NUMBER: 60/091519
 PRIOR FILING DATE: 1998-07-02
 PRIOR APPLICATION NUMBER: 60/091626
 PRIOR FILING DATE: 1998-07-02
 PRIOR APPLICATION NUMBER: 60/091633
 PRIOR FILING DATE: 1998-07-02
 PRIOR APPLICATION NUMBER: 60/091978
 PRIOR FILING DATE: 1998-07-07
 PRIOR APPLICATION NUMBER: 60/091982
 PRIOR FILING DATE: 1998-07-07
 PRIOR APPLICATION NUMBER: 60/092182
 PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 10; Length 135;
 Best Local Similarity 100.0%; Pred. No. 8.1e-87;
 Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MIMLFTALAFSLAQSGAVCKEPOBEVPGGSRKRDPLVOLQRLFKSHSIEGL 60
 DB 1 MIMLFTALAFSLAQSGAVCKEPOBEVPGGSRKRDPLVOLQRLFKSHSIEGL 60

QY 61 LKALSQASTDPKESISPEKRDMDHFFVGLMKRSVOP 97
 DB 61 LKALSQASTDPKESISPEKRDMDHFFVGLMKRSVOP 97

RESULT 34
 US-09-989-726-359
 Sequence 359, Application US/09989726
 PUBLIC INFORMATION:
 APPLICANT: Ashkenazi, Avi J.
 APPLICANT: Baker, Kevin P.
 APPLICANT: Boetstein, David
 APPLICANT: Desnoyers, Luc
 APPLICANT: Baton, Dan L.
 APPLICANT: Ferrara, Napoleone
 APPLICANT: Fong, Sherman
 APPLICANT: Gerber, Hanspeter
 APPLICANT: Gerltzen, Mary E.
 APPLICANT: Goddard, Audrey
 APPLICANT: Grimaldi, J. Christopher
 APPLICANT: Gutney, Austin L.
 APPLICANT: Kljavin, Ivar J.
 APPLICANT: Napier, Mary A.
 APPLICANT: Pan, James
 APPLICANT: Paoni, Nicholas F.
 APPLICANT: Roy, Margaret Ann
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Watanabe, Colin K.
 APPLICANT: Williams, P. Mickey
 APPLICANT: Wood, William I.
 APPLICANT: Zhang, Zemin
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 TITLE OF INVENTION: Acids Encoding the Same
 FILE REFERENCE: P2730P1C60
 CURRENT APPLICATION NUMBER: US/09/989, 726
 CURRENT FILING DATE: 2001-11-19
 PRIOR APPLICATION NUMBER: 60/049787
 PRIOR FILING DATE: 1997-06-16
 PRIOR APPLICATION NUMBER: 60/062250
 PRIOR FILING DATE: 1997-10-17
 PRIOR APPLICATION NUMBER: 60/065186
 PRIOR FILING DATE: 1997-11-12
 PRIOR APPLICATION NUMBER: 60/065311
 PRIOR FILING DATE: 1997-11-13

PRIOR APPLICATION NUMBER: 60/066770	PRIOR FILING DATE: 1997-11-24	PRIOR APPLICATION NUMBER: 60/075545	PRIOR FILING DATE: 1998-02-25	PRIOR APPLICATION NUMBER: 60/078910	PRIOR FILING DATE: 1998-03-20	PRIOR APPLICATION NUMBER: 60/083322	PRIOR FILING DATE: 1998-04-28	PRIOR APPLICATION NUMBER: 60/084600	PRIOR FILING DATE: 1998-05-28	PRIOR APPLICATION NUMBER: 60/087106	PRIOR FILING DATE: 1998-06-02	PRIOR APPLICATION NUMBER: 60/087759	PRIOR FILING DATE: 1998-06-02	PRIOR APPLICATION NUMBER: 60/087827	PRIOR FILING DATE: 1998-06-03	PRIOR APPLICATION NUMBER: 60/088021	PRIOR FILING DATE: 1998-06-04	PRIOR APPLICATION NUMBER: 60/088025	PRIOR FILING DATE: 1998-06-04	PRIOR APPLICATION NUMBER: 60/088026	PRIOR FILING DATE: 1998-06-04	PRIOR APPLICATION NUMBER: 60/088028	PRIOR FILING DATE: 1998-06-04	PRIOR APPLICATION NUMBER: 60/088029	PRIOR FILING DATE: 1998-06-04	PRIOR APPLICATION NUMBER: 60/088030	PRIOR FILING DATE: 1998-06-04	PRIOR APPLICATION NUMBER: 60/088033	PRIOR FILING DATE: 1998-06-04	PRIOR APPLICATION NUMBER: 60/088326	PRIOR FILING DATE: 1998-06-04	PRIOR APPLICATION NUMBER: 60/088157	PRIOR FILING DATE: 1998-06-05	PRIOR APPLICATION NUMBER: 60/088202	PRIOR FILING DATE: 1998-06-05	PRIOR APPLICATION NUMBER: 60/088212	PRIOR FILING DATE: 1998-06-05	PRIOR APPLICATION NUMBER: 60/088217	PRIOR FILING DATE: 1998-06-05	PRIOR APPLICATION NUMBER: 60/088555	PRIOR FILING DATE: 1998-06-09	PRIOR APPLICATION NUMBER: 60/088734	PRIOR FILING DATE: 1998-06-10	PRIOR APPLICATION NUMBER: 60/088738	PRIOR FILING DATE: 1998-06-10	PRIOR APPLICATION NUMBER: 60/088742	PRIOR FILING DATE: 1998-06-10	PRIOR APPLICATION NUMBER: 60/088810	PRIOR FILING DATE: 1998-06-10	PRIOR APPLICATION NUMBER: 60/088824	PRIOR FILING DATE: 1998-06-10	PRIOR APPLICATION NUMBER: 60/088826	PRIOR FILING DATE: 1998-06-10	PRIOR APPLICATION NUMBER: 60/088858	PRIOR FILING DATE: 1998-06-11	PRIOR APPLICATION NUMBER: 60/088861	PRIOR FILING DATE: 1998-06-11	PRIOR APPLICATION NUMBER: 60/088766	PRIOR FILING DATE: 1998-06-11	PRIOR APPLICATION NUMBER: 60/089105	PRIOR FILING DATE: 1998-06-12	PRIOR APPLICATION NUMBER: 60/089440	PRIOR FILING DATE: 1998-06-16	PRIOR APPLICATION NUMBER: 60/089512	PRIOR FILING DATE: 1998-06-16	PRIOR APPLICATION NUMBER: 60/089514	PRIOR FILING DATE: 1998-06-16	PRIOR APPLICATION NUMBER: 60/089532	PRIOR FILING DATE: 1998-06-16
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1	PRIOR FILING DATE: 1998-06-17	
2	PRIOR APPLICATION NUMBER: 60/089538	
3	PRIOR FILING DATE: 1998-06-17	
4	PRIOR APPLICATION NUMBER: 60/089598	
5	PRIOR FILING DATE: 1998-06-17	
6	PRIOR APPLICATION NUMBER: 60/089599	
7	PRIOR FILING DATE: 1998-06-17	
8	PRIOR APPLICATION NUMBER: 60/089600	
9	PRIOR FILING DATE: 1998-06-17	
10	PRIOR APPLICATION NUMBER: 60/089653	
11	PRIOR FILING DATE: 1998-06-17	
12	PRIOR APPLICATION NUMBER: 60/089801	
13	PRIOR FILING DATE: 1998-06-18	
14	PRIOR APPLICATION NUMBER: 60/089907	
15	PRIOR FILING DATE: 1998-06-18	
16	PRIOR APPLICATION NUMBER: 60/089908	
17	PRIOR FILING DATE: 1998-06-18	
18	PRIOR APPLICATION NUMBER: 60/089947	
19	PRIOR FILING DATE: 1998-06-19	
20	PRIOR APPLICATION NUMBER: 60/089948	
21	PRIOR FILING DATE: 1998-06-19	
22	PRIOR APPLICATION NUMBER: 60/089952	
23	PRIOR FILING DATE: 1998-06-19	
24	PRIOR APPLICATION NUMBER: 60/090246	
25	PRIOR FILING DATE: 1998-06-22	
26	PRIOR APPLICATION NUMBER: 60/090252	
27	PRIOR FILING DATE: 1998-06-22	
28	PRIOR APPLICATION NUMBER: 60/090254	
29	PRIOR FILING DATE: 1998-06-22	
30	PRIOR APPLICATION NUMBER: 60/090349	
31	PRIOR FILING DATE: 1998-06-23	
32	PRIOR APPLICATION NUMBER: 60/090355	
33	PRIOR FILING DATE: 1998-06-23	
34	PRIOR APPLICATION NUMBER: 60/090429	
35	PRIOR FILING DATE: 1998-06-24	
36	PRIOR APPLICATION NUMBER: 60/090431	
37	PRIOR FILING DATE: 1998-06-24	
38	PRIOR APPLICATION NUMBER: 60/090435	
39	PRIOR FILING DATE: 1998-06-24	
40	PRIOR APPLICATION NUMBER: 60/090444	
41	PRIOR FILING DATE: 1998-06-24	
42	PRIOR APPLICATION NUMBER: 60/090445	
43	PRIOR FILING DATE: 1998-06-24	
44	PRIOR APPLICATION NUMBER: 60/090472	
45	PRIOR FILING DATE: 1998-06-24	
46	PRIOR APPLICATION NUMBER: 60/090535	
47	PRIOR FILING DATE: 1998-06-24	
48	PRIOR APPLICATION NUMBER: 60/090540	
49	PRIOR FILING DATE: 1998-06-24	
50	PRIOR APPLICATION NUMBER: 60/090542	
51	PRIOR FILING DATE: 1998-06-24	
52	PRIOR APPLICATION NUMBER: 60/090557	
53	PRIOR FILING DATE: 1998-06-24	
54	PRIOR APPLICATION NUMBER: 60/090676	
55	PRIOR FILING DATE: 1998-06-25	
56	PRIOR APPLICATION NUMBER: 60/090678	
57	PRIOR FILING DATE: 1998-06-25	
58	PRIOR APPLICATION NUMBER: 60/090690	
59	PRIOR FILING DATE: 1998-06-25	
60	PRIOR APPLICATION NUMBER: 60/090694	
61	PRIOR FILING DATE: 1998-06-25	
62	PRIOR APPLICATION NUMBER: 60/090695	
63	PRIOR FILING DATE: 1998-06-25	
64	PRIOR APPLICATION NUMBER: 60/090696	
65	PRIOR FILING DATE: 1998-06-25	
66	PRIOR APPLICATION NUMBER: 60/090625	
67	PRIOR FILING DATE: 1998-06-26	
68	PRIOR APPLICATION NUMBER: 60/090863	
69	PRIOR FILING DATE: 1998-06-26	
70	PRIOR APPLICATION NUMBER: 60/091360	
71	PRIOR FILING DATE: 1998-07-01	
72	PRIOR APPLICATION NUMBER: 60/091478	
73	PRIOR FILING DATE: 1998-07-02	

PRIOR APPLICATION NUMBER: 60/091544
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091519
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091626
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091633
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 10; Length 135;
Best Local Similarity 100.0%; Pred. No. 8, 1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLTALIAFSLAQSGAVCKEPOEEVVPGGGSKRDPDIYOLLORLFXSHSLEGL 60
DB 1 MRIMLTALIAFSLAQSGAVCKEPOEEVVPGGGSKRDPDIYOLLORLFXSHSLEGL 60

QY 61 LKALISQASTDPKESTSPKRDMDHDFVGLMGKSSVOP 97
DB 61 LKALISQASTDPKESTSPKRDMDHDFVGLMGKSSVOP 97

RESULT 35
US-09-998-156-359
Sequence 359, Application US/09998156
Publication No. US20030044806A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Goddard, Audrey B.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Nadler, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C28
CURRENT APPLICATION NUMBER: US/09/998,156
PRIOR APPLICATION NUMBER: 2001-11-15
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/075945

PRIOR FILING DATE: 1998-02-25
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/087106
PRIOR FILING DATE: 1998-05-28
PRIOR APPLICATION NUMBER: 60/087607
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087609
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087759
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087827
PRIOR FILING DATE: 1998-06-03
PRIOR APPLICATION NUMBER: 60/088021
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088025
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088026
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088028
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088029
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088030
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088033
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088326
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088167
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088202
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PRIOR APPLICATION NUMBER: 60/088212
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088217
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088655
PRIOR FILING DATE: 1998-06-09
PRIOR APPLICATION NUMBER: 60/088734
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088738
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088742
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088810
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088824
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088826
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088858
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088861
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088876
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/089105
PRIOR FILING DATE: 1998-06-12
PRIOR APPLICATION NUMBER: 60/089440
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089512
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089514
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089532
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089538
PRIOR FILING DATE: 1998-06-17

PRIOR APPLICATION NUMBER: 60/089598
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089599
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089600
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089653
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089801
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089907
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089908
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089947
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/089948
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/089952
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/090246
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090252
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090254
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090349
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090355
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090429
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090431
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090435
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090444
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090445
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090472
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090535
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090540
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090542
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090557
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090676
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090678
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090690
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090694
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090695
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090696
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090862
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/090863
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/091360
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091478
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091544
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091519

PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091626
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091633
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 10; Length 135;
Best Local Similarity 100.0%; Pred. No. 8,1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRITLFTALIAFSLAIFGAVCKEPEQEEVVPFGGSKRDPDLYQLQSLFKSHSLLEGI 60
Db 1 MRITLFTALIAFSLAIFGAVCKEPEQEEVVPFGGSKRDPDLYQLQSLFKSHSLLEGI 60

Qy 61 LKALISQASTDPKSTSPKSRDMDFFVGLMGKRSVQP 97
Db 61 LKALISQASTDPKSTSPKSRDMDFFVGLMGKRSVQP 97

RESULT 36
US-09-990-437-359
Sequence 359, Application US/09990437
Publication No. US20030045463A1

GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zenlin

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
Acids Encoding the Same
FILE REFERENCE: P2730P1C49
CURRENT FILING DATE: 2001-11-16
PRIOR APPLICATION NUMBER: 60/048787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/075945
PRIOR FILING DATE: 1998-02-25
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20

PRIOR APPLICATION NUMBER: 60/091633
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 10; Length 135;
Best Local Similarity 100.0%; Pred. No. 8.1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 WRMLFTALAFSLAOSFGAVCEPQEEVVPGGGSRKDPDLYOLLQRLFKSHSLGL 60
Db 1 WRMLFTALAFSLAOSFGAVCEPQEEVVPGGGSRKDPDLYOLLQRLFKSHSLGL 60
Qy 61 LKALSOASTDPKSTSPKRMHDPFVGLMGKRSVOP 97
Db 61 LKALSOASTDPKSTSPKRMHDPFVGLMGKRSVOP 97

RESULT 37

US-09-991-157-359
Sequence 359, Application US/09991157
Publication No. US20030049638A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnovers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gertlesen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Raoul, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730F1C1
CURRENT APPLICATION NUMBER: US/09/991.157
CURRENT FILING DATE: 2001-11-16
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066770
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PRIOR FILING DATE: 1998-07-02
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PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 10; Length 135;
Best Local Similarity 100.0%; Pred. No. 8.1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRIMLFTAILAFSLAOSFGAVCKEPOREVVPGGRSKRDPVYQLLQRLFRSHSLTGL 60
DB 1 KRIMLFTAILAFSLAOSFGAVCKEPOREVVPGGRSKRDPVYQLLQRLFRSHSLTGL 60
QY 61 LKALQASTDPKESSTPEKRDHDFVGLMKRSVOP 97
DB 61 LKALQASTDPKESSTPEKRDHDFVGLMKRSVOP 97

RESULT 38

US-09-997-514-359
Sequence 359, Application US/09997514
Publication No. US20030049681A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C46
CURRENT FILING DATE: 2001-11-15
PRIOR APPLICATION NUMBER: US/09/997,514
PRIOR FILING DATE: 1997-06-16
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63	PRIOR FILING DATE: 1998-07-02	
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65	PRIOR FILING DATE: 1998-07-07	
66	PRIOR APPLICATION NUMBER: 60/091988	
67	PRIOR FILING DATE: 1998-07-07	
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; PRIOR FILING DATE: 1998-07-09
Query Match      80.2%; Score 97; DB 10; Length 135;
Best Local Similarity 100.0%; Pred. No. 8.1e-87;
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DB 1 MRMILFTAILAFSLAOSFGAVCKEPOEEVWPGGGRSRDPLVQLQRLFKSHSSLEGL 60

QY 61 LKALSQASTDPKSTSPKRDMDHDFVGLMGRKRSVOP 97
DB 61 LKALSQASTDPKSTSPKRDMDHDFVGLMGRKRSVOP 97

RESULT 39
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; Sequence 359, Application US/09997573
; Publication No. US20030049682A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerdtsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C45
; CURRENT APPLICATION NUMBER: US/09/997,573
; CURRENT FILING DATE: 2001-11-15
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PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 10; Length 135;
Best Local Similarity 100.0%; Pred. No. 8, 1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
DB 1 MRIMLFTAILAFSLAFAVCKEPOEEVVPFGGSKRDPDLYQLORLFKSHSLFGL 60
DB 1 MRIMLFTAILAFSLAFAVCKEPOEEVVPFGGSKRDPDLYQLORLFKSHSLFGL 60
QY 61 LKALSOASTDPKSTSPKRDMDFFVGLMGKRSVQ 97
DB 61 LKALSOASTDPKSTSPKRDMDFFVGLMGKRSVQ 97
RESULT 40
US-09-991-172-359
Sequence 359, Application us/09991172
Publication No. US20030050457A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gunney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tunas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C50
CURRENT APPLICATION NUMBER: US/09/991,172
PRIOR FILING DATE: 2001-11-16
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
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PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089908
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089947

PRIOR FILING DATE: 1998-06-19
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PRIOR APPLICATION NUMBER: 60/091360
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PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091544
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091519
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091626
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091633
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 10; Length 135;
Best Local Similarity 100.0%; Pred. No. 8.1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTALIAFSLAQSGAVCKEPOEVEVPGGGRSKRDPDLYOLLOLRFKSHSLBGL 60
Db 1 MRIMLFTALIAFSLAQSGAVCKEPOEVEVPGGGRSKRDPDLYOLLOLRFKSHSLBGL 60
QY 61 LKALSOASTDPKESITSPERKDMHDFVGLMGKRSVQP 97
Db 61 LKALSOASTDPKESITSPERKDMHDFVGLMGKRSVQP 97
RESULT 41
US-09-990-726-359
Sequence 359, Application US/09990726
Publication No. US20030054359A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kijavini, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas P.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tamas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C16
CURRENT APPLICATION NUMBER: US/09/990,726
CURRENT FILING DATE: 2001-11-14
PRIORITY APPLICATION NUMBER: 60/049787
PRIORITY FILING DATE: 1997-06-16
PRIORITY APPLICATION NUMBER: 60/062250
PRIORITY FILING DATE: 1997-10-17
PRIORITY APPLICATION NUMBER: 60/065186
PRIORITY FILING DATE: 1997-11-12
PRIORITY APPLICATION NUMBER: 60/065311
PRIORITY FILING DATE: 1997-11-13
PRIORITY APPLICATION NUMBER: 60/066770
PRIORITY FILING DATE: 1997-11-24
PRIORITY APPLICATION NUMBER: 60/075945
PRIORITY FILING DATE: 1998-02-25
PRIORITY APPLICATION NUMBER: 60/078910
PRIORITY FILING DATE: 1998-03-20
PRIORITY APPLICATION NUMBER: 60/083322
PRIORITY FILING DATE: 1998-04-28
PRIORITY APPLICATION NUMBER: 60/084600
PRIORITY FILING DATE: 1998-05-07
PRIORITY APPLICATION NUMBER: 60/087106
PRIORITY FILING DATE: 1998-05-28
PRIORITY APPLICATION NUMBER: 60/087607
PRIORITY FILING DATE: 1998-06-02
PRIORITY APPLICATION NUMBER: 60/087609
PRIORITY FILING DATE: 1998-06-02
PRIORITY APPLICATION NUMBER: 60/087759
PRIORITY FILING DATE: 1998-06-02
PRIORITY APPLICATION NUMBER: 60/087827
PRIORITY FILING DATE: 1998-06-03
PRIORITY APPLICATION NUMBER: 60/088021

PRIORITY FILING DATE: 1998-06-04
PRIORITY APPLICATION NUMBER: 60/088025
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PRIORITY FILING DATE: 1998-06-04
PRIORITY APPLICATION NUMBER: 60/088030
PRIORITY FILING DATE: 1998-06-04
PRIORITY APPLICATION NUMBER: 60/088033
PRIORITY FILING DATE: 1998-06-04
PRIORITY APPLICATION NUMBER: 60/088326
PRIORITY FILING DATE: 1998-06-04
PRIORITY APPLICATION NUMBER: 60/088167
PRIORITY FILING DATE: 1998-06-05
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PRIORITY APPLICATION NUMBER: 60/089600
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PRIORITY APPLICATION NUMBER: 60/089653
PRIORITY FILING DATE: 1998-06-17
PRIORITY APPLICATION NUMBER: 60/089801
PRIORITY FILING DATE: 1998-06-18
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PRIORITY FILING DATE: 1998-06-18
PRIORITY APPLICATION NUMBER: 60/089908
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PRIORITY APPLICATION NUMBER: 60/089947
PRIORITY FILING DATE: 1998-06-19
PRIORITY APPLICATION NUMBER: 60/089948
PRIORITY FILING DATE: 1998-06-19

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PRIOR APPLICATION NUMBER: 60/089952
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/090246
PRIOR FILING DATE: 1998-06-22
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PRIOR FILING DATE: 1998-06-22
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PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 10; Length 135;
Best Local Similarity 100.0%; Pred. No. 8,1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 MRIMLFTALIASLQSGAVCKEPOEYVPGGSKRDPDLVQLLQRLFKSHSLBEL 60
QY 61 LKALSGASTDPKKESTSPKRDMDHDFVGLMGRSVQP 97
61 LKALSGASTDPKKESTSPKRDMDHDFVGLMGRSVQP 97

RESULT 42
US-09-997-559-359
Sequence 359, Application US/09997559
Publication No. US20030054403A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Guiney, Austin L.
APPLICANT: Kjaavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Raoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730Pic40
CURRENT APPLICATION NUMBER: US/09/997,559
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
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PRIOR APPLICATION NUMBER: 60/089600
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PRIOR FILING DATE: 1998-06-17
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PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089907
PRIOR FILING DATE: 1998-06-18
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PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/089952
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/090246

PRIOR FILING DATE: 1998-06-22
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PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090254
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090349
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PRIOR APPLICATION NUMBER: 60/090694
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090695
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090696
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090862
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/090863
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/091360
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091478
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091544
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091519
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091626
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091633
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 10; Length 135;
Best Local Similarity 100.0%; Pred. No. 8.1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLMLFPAIILAFSLAOSFGAVCKPQREVVVPGGSRKRDDEIVQLQRLFKSHSLGL 60
DB 1 KRIMLFLPAIILAFSLAOSFGAVCKPQREVVVPGGSRKRDDEIVQLQRLFKSHSLGL 60
QY 61 LKALSOASTDPKSTSPKRDWHDFVGLMGKRSVOP 97

Db 61 LKALSOASTDPKESITSPKRMHDFVGLMKRSVOP 97

RESULT 43
US-09-997-601-359

Sequence 359, Application US/09997601

Publication No. US20030054404A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi J.

APPLICANT: Baker, Kevin P.

APPLICANT: Botstein, David

APPLICANT: Deenoyers, Luc

APPLICANT: Eaton, Dan L.

APPLICANT: Ferrara, Napoleone

APPLICANT: Fong, Sherman

APPLICANT: Gerber, Hanspeter

APPLICANT: Gertsen, Mary E.

APPLICANT: Goddard, Audrey

APPLICANT: Grimaldi, J. Christopher

APPLICANT: Gunney, Austin L.

APPLICANT: Kijavini, Ivar J.

APPLICANT: Napier, Mary A.

APPLICANT: Pan, James

APPLICANT: Paoni, Nicholas P.

APPLICANT: Roy, Margaret Ann

APPLICANT: Stewart, Timothy A.

APPLICANT: Tumas, Daniel

APPLICANT: Watanabe, Colin K.

APPLICANT: Williams, P. Mickey

APPLICANT: Wood, William I.

APPLICANT: Zhang, Zemin

TITLE OR INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

Acids Encoding the Same

FILE REFERENCE: P2730P1C36

CURRENT APPLICATION NUMBER: US/09/997,601

CURRENT FILING DATE: 2001-11-15

PRIOR APPLICATION NUMBER: 60/049787

PRIOR FILING DATE: 1997-06-16

PRIOR APPLICATION NUMBER: 60/062230

PRIOR FILING DATE: 1997-10-17

PRIOR APPLICATION NUMBER: 60/065186

PRIOR FILING DATE: 1997-11-12

PRIOR APPLICATION NUMBER: 60/065311

PRIOR FILING DATE: 1997-11-13

PRIOR APPLICATION NUMBER: 60/066770

PRIOR FILING DATE: 1997-11-24

PRIOR APPLICATION NUMBER: 60/075945

PRIOR FILING DATE: 1998-02-25

PRIOR APPLICATION NUMBER: 60/078910

PRIOR FILING DATE: 1998-03-20

PRIOR APPLICATION NUMBER: 60/083322

PRIOR FILING DATE: 1998-04-28

PRIOR APPLICATION NUMBER: 60/084600

PRIOR FILING DATE: 1998-05-07

PRIOR APPLICATION NUMBER: 60/087106

PRIOR FILING DATE: 1998-05-28

PRIOR APPLICATION NUMBER: 60/087607

PRIOR FILING DATE: 1998-06-02

PRIOR APPLICATION NUMBER: 60/087609

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PRIOR APPLICATION NUMBER: 60/087759

PRIOR FILING DATE: 1998-06-02

PRIOR APPLICATION NUMBER: 60/087827

PRIOR FILING DATE: 1998-06-03

PRIOR APPLICATION NUMBER: 60/088021

PRIOR FILING DATE: 1998-06-04

PRIOR APPLICATION NUMBER: 60/088025

PRIOR FILING DATE: 1998-06-04

PRIOR APPLICATION NUMBER: 60/088026

PRIOR FILING DATE: 1998-06-04

PRIOR APPLICATION NUMBER: 60/088028

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PRIOR APPLICATION NUMBER: 60/088217

PRIOR FILING DATE: 1998-06-05

PRIOR APPLICATION NUMBER: 60/088655

PRIOR FILING DATE: 1998-06-09

PRIOR APPLICATION NUMBER: 60/088734

PRIOR FILING DATE: 1998-06-10

PRIOR APPLICATION NUMBER: 60/088738

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PRIOR APPLICATION NUMBER: 60/088861

PRIOR FILING DATE: 1998-06-11

PRIOR APPLICATION NUMBER: 60/088876

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PRIOR FILING DATE: 1998-06-12

PRIOR APPLICATION NUMBER: 60/089440

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PRIOR APPLICATION NUMBER: 60/089514

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PRIOR APPLICATION NUMBER: 60/089948

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PRIOR APPLICATION NUMBER: 60/089952

PRIOR FILING DATE: 1998-06-19

PRIOR APPLICATION NUMBER: 60/090246

PRIOR FILING DATE: 1998-06-22

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PRIOR FILING DATE: 1998-06-22

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PRIOR APPLICATION NUMBER: 60/090349
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090355
PRIOR FILING DATE: 1998-06-23
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PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091544
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091519
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091626
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091633
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 10; Length 135;
Best Local Similarity 100.0%; Pred. No. 8.1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

CY 1 MRMLFTALAFSLAASFGAVCKEPOBEVYVPGGSRKRPDDLYQLLQRLFKSHSSIEGL 60
DB 1 MRMLFTALAFSLAASFGAVCKEPOBEVYVPGGSRKRPDDLYQLLQRLFKSHSSIEGL 60
CY 61 LKALSOASTDPKESTSPKRDMDFFVGLMGKRSVOP 97
DB 61 LKALSOASTDPKESTSPKRDMDFFVGLMGKRSVOP 97

RESULT 44
US-09-990-443-359
Sequence 359, Application US/09990443
Publication No. US20030054987A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gottfredsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730P1C12
CURRENT FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: US/09/990,443
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
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PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/075945
PRIOR FILING DATE: 1998-02-25
PRIOR APPLICATION NUMBER: 60/078910
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PRIOR APPLICATION NUMBER: 60/088021
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PRIOR APPLICATION NUMBER: 60/088025
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088026
PRIOR FILING DATE: 1998-06-04
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PRIOR FILING DATE: 1998-06-04

PRIOR APPLICATION NUMBER: 60/088030
PRIOR FILING DATE: 1998-06-04
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PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088326
PRIOR FILING DATE: 1998-06-04
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PRIOR APPLICATION NUMBER: 60/088217
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PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088738
PRIOR FILING DATE: 1998-06-10
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PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089600
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089653
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PRIOR APPLICATION NUMBER: 60/089801
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089907
PRIOR FILING DATE: 1998-06-18
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PRIOR APPLICATION NUMBER: 60/090429
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090431
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PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091478
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091544
PRIOR FILING DATE: 1998-07-01
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PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091633
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 10; Length 135;
Best Local Similarity 100.0%; Pred. No. 8.1e-87; Indels 0; Gaps 0;
Matches 97; Conservative 0; Mismatches 0;

Qy 1 MRIVLFTAILAFSLAASFGAVCKEPOEBVVPGGGRKRDPIYQLLQRLFKSHSLLEGL 60
Db 1 MRIVLFTAILAFSLAASFGAVCKEPOEBVVPGGGRKRDPIYQLLQRLFKSHSLLEGL 60
Qy 61 LKAISOASTDPEKSTSPKRDMDHFFVGLMGKSSVOP 97
Db 61 LKAISOASTDPEKSTSPKRDMDHFFVGLMGKSSVOP 97

RESULT 45
US-09-991-854-359

Sequence 359, Application US/09991854
Publication No. US20030059780A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kijavich, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Thomas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Acids Encoding the Same
TITLE OR INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730pic24
CURRENT APPLICATION NUMBER: US/09/991,854
PRIOR FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
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PRIOR FILING DATE: 1998-06-04
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PRIOR FILING DATE: 1998-06-04
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PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089600
PRIOR FILING DATE: 1998-06-17
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PRIOR FILING DATE: 1998-06-17
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PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089907
PRIOR FILING DATE: 1998-06-18
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PRIOR APPLICATION NUMBER: 60/090355
PRIOR FILING DATE: 1998-06-23

PRIOR APPLICATION NUMBER: 60/090429
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090431
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090435
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090444
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090445
PRIOR FILING DATE: 1998-06-24
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PRIOR APPLICATION NUMBER: 60/090535
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PRIOR APPLICATION NUMBER: 60/090540
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PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/090863
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/091360
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091478
PRIOR FILING DATE: 1998-07-02
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PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 10; Length 135;
Best local Similarity 100.0%; Pred. No. 8, 1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MRIMLFTALIAFLAFLAFCGAVCKEPEQEEVVPFGGGRSKDPDLYQLLQRLFKSHSLLEQL 60
DB 1 MRIMLFTALIAFLAFLAFCGAVCKEPEQEEVVPFGGGRSKDPDLYQLLQRLFKSHSLLEQL 60
OY 61 LKALISQASTDPEKSTSPERKDMEDFVGMGRKSVOP 97
DB 61 LKALISQASTDPEKSTSPERKDMEDFVGMGRKSVOP 97

RESULT 46
US-09-997-628-359
Sequence 359, Application US/09997628
Publication No. US20030059782A1
GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Geriltsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Guiney, Austin U.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Thomas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730PIC30
CURRENT FILING DATE: 2001-11-15
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
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PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 10; Length 135;
Best Local Similarity 100.0%; Pred. No. 8.1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MIMLFTAILAFSLAQSFGAVCKEPOEBVWVGGRSRDPDLVLLRLKSHSLGL 60
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DB 61 LKALSOASTDPKESSTPEKRDMDFFVGLMGKRSVOP 97

RESULT 47
US-09-997-683-359
Sequence 359, Application US/09997683
Publication No. US20030059783A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David

APPLICANT: Desnoyers, Luc
APPLICANT: Batton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Pong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Geritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Grimaldi, Paul J.
APPLICANT: Gutney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OR INVENTION: Secured and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C32
CURRENT APPLICATION NUMBER: US/09/997,683
CURRENT FILING DATE: 2001-11-15
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
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PRIOR FILING DATE: 1998-07-07
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PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 10; Length 135;
Best Local Similarity 100.0%; Pred. No. 8.1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTAIAPFSLAOSFGAVCKEPOBEVVPGGGRKRPDIYOLLORLFKSHSLEGL 60
DB 1 MRIMLFTAIAPFSLAOSFGAVCKEPOBEVVPGGGRKRPDIYOLLORLFKSHSLEGL 60

QY 61 LKALSQASTDPKXSTSPKRDMDFTVGLMGKRSVCP 97
DB 61 LKALSQASTDPKXSTSPKRDMDFTVGLMGKRSVCP 97

RESULT 48
US-09-989-729A-359
Sequence 359, Application US/09989729A
Publication No. US20030059831A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eacott, Dan L.
APPLICANT: Ferrara, Napoleone

APPLICANT: Pong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary B.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gutrey, Austin L.
APPLICANT: Kijavini, Ivor J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C59
CURRENT FILING DATE: 2001-11-19
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Query Match 80.2%; Score 97; DB 10; Length 135;
Best Local Similarity 100.0%; Pred. No. 8.1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 49
US-09-997-349-359
Sequence 359, Application US/09997349
Publication No. US20030059832A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Geritsen, Mary E.

APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gunney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
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PRIOR FILING DATE: 1997-06-16
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PRIOR FILING DATE: 1998-06-24

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Query Match      80.2%; Score 97; DB 10; Length 135;
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Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 61 LKALISQASTDPKKESTSPKRDMDHDFVGLMGKKSVCVP 97

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RESULT 50

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; Publication No. US20030059833A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Baton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher

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; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Naplier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C31
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Query Match 80.2%; Score 97; DB 10; Length 135;
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